

A scenic view of a mountain lake framed by green foliage and blossoming branches in the foreground.

ski hut  
71/72



photo/Joe Fischchen

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# CHEVRON



**TRAILWISE CHEVRON BAG.** Our finest bag. Designed for expeditionary use, the Chevron has been proven from the Himalayas to Alaska and Antarctica and in all the frozen regions of the world. Nothing was spared in design, construction or materials to make the Chevron the warmest Trailwise sleeping bag. The light, downproof, water-repellent and extremely durable Tenaya nylon shell has a luxurious feel and will give years of service. A 17½" differential cut allows maximum lofting of premium white goose down for an optimum warmth/weight ratio. Six-inch Chevron baffles are spaced at 5" intervals and slanted a full half-tube width for greater thermal efficiency. Bags may be ordered in matching pairs that zip together. 72" double slider nylon zippers on right or left side. Draw cord hood. Colors are blue or orange. Supplied with a waterproof stuffsack.

CHEVRON 3 will fit persons up to 6'2".

SC111/3A ..... 44 oz. fill ..... total wt. 70 oz. ..... \$125.00

SC111/3B ..... 50 oz. fill ..... total wt. 76 oz. ..... \$133.00

CHEVRON 5 will fit persons up to 6'5".

SC111/5A ..... 52 oz. fill ..... total wt. 79 oz. ..... \$138.00

SC111/5B ..... 58 oz. fill ..... total wt. 85 oz. ..... \$146.00

# SLIMLINE



**TRAILWISE SLIMLINE BAG.** The Slimline, our most popular bag, is designed for the mountaineer or backpacker who must keep weight and bulk to a minimum without sacrificing warmth. The snug, form-fitting Slimline shell minimizes heat loss, resulting in a more efficient, warmer bag. A 10½" differential cut allows maximum lofting of the white goose down, while slanting Chevron baffles sewn at 5" intervals stabilize the down. The standard Slimline is a versatile bag for use under general conditions. The overfill Slimline is intended for higher altitudes and winter temperatures. The shell is made of the finest water-repellent Tenaya nylon. Slimlines may be ordered in matching pairs that zip together. 72" double slider nylon zippers on right or left side. Draw cord hood. Colors are blue and orange. Supplied with a waterproof stuffsack.

**SLIMLINE 1** will fit persons up to 5'8".

**SS113/1A** ..... 22½ oz. fill ..... total wt. 43 oz. ..... \$ 84.00

**SS113/1B** ..... 26½ oz. fill ..... total wt. 47 oz. ..... \$ 89.00

**SLIMLINE 3** will fit persons up to 6'.

**SS113/3A** ..... 24 oz. fill ..... total wt. 45 oz. ..... \$ 87.00

**SS113/3B** ..... 28 oz. fill ..... total wt. 49 oz. ..... \$ 93.00

**SLIMLINE 5** will fit persons up to 6'5".

**SS113/5A** ..... 26 oz. fill ..... total wt. 50 oz. ..... \$ 92.00

**SS113/5B** ..... 30 oz. fill ..... total wt. 54 oz. ..... \$ 97.00

# NORRLAND

**TRAILWISE NORRLAND BAG.** Cut fuller at the shoulder and elbow sections than the Slimline bag. Recommended for those who feel confined by the slimmer mummy style and who are less concerned with the total weight. Shell is light, downproof Tenaya nylon. A 10" differential cut allows full lofting of the white northern goose down. The slanting Chevron baffles sewn at 5" intervals stabilize the down. Norrland bags may be ordered in matching pairs that zip together. 72" double slider nylon zippers on right or left side. Draw cord hood. Colors are blue and orange. Supplied with a waterproof stuffsack.

NORRLAND 2 will fit persons up to 5'10".

SN112/2A ..... 34 oz. fill ..... total wt. 55½ oz. .... \$101.00

SN112/2B ..... 40 oz. fill ..... total wt. 61½ oz. .... \$109.00

NORRLAND 4 will fit persons up to 6'2".

SN112/4A ..... 39 oz. fill ..... total wt. 60½ oz. .... \$110.00

SN112/4B ..... 45 oz. fill ..... total wt. 66½ oz. .... \$118.00



# COMBI

**TRAILWISE COMBI BAG.** A "semi-rectangular" bag having a 5" taper from head to foot. An excellent bag for general summer use out-of-doors, or in cabins and campers. Full-length 99" nylon zipper extends across foot section so that bag may be opened flat for use as a comforter. 1.9 Ripstop nylon throughout. Dark green outer shell with contrasting bright orange inner shell. Modified slanting Chevron baffles set at 6" intervals. Two Combis zipped together make a large double bag. Filled with grey northern goose down. Will fit persons up to 6'4". Bag is not hooded, but does have drawcord closure. Waterproof stuffsack included.

SC017 ..... 32 oz. fill ..... total wt. 64 oz. .... \$ 86.00





## DOUBLE MUMMY

**TRAILWISE DOUBLE MUMMY BAG.** A luxurious, roomy bag for two people. Shell is blue Tenaya nylon. Slanted Chevron baffles are sewn at 7" intervals. Fill is grey goose down. Individual thermal control is provided by two 70" side zippers with draft flaps and independent drawcord closures. Velcro fastening of center section between hoods permits opening of entire top of bag. Will fit persons up to 6'4". Color is blue. Supplied with waterproof stuffsack.

**SD115/A** . . . 64 oz. fill . . . total wt. 104 oz. . . . \$168.00  
**SD115/B** . . . 72 oz. fill . . . total wt. 112 oz. . . . \$178.00



**TRAILWISE SLEEPING BAG COVER.** A departure from the traditional design, our cover is designed for a multitude of uses. Rectangular in shape, it measures 44" x 98". No zipper. Large enough to accommodate any Trailwise bag with room left over for clothing and other gear. Will also double as tarp or groundsheet. Top is green 1.9 Ripstop nylon, bottom is beige waterproof 1.9 Ripstop nylon.

**S127** . . . . . wt. 16½ oz. . . . . \$ 13.50  
 (WILL NOT FIT DOUBLE MUMMY)

**TRAILWISE DOWN-FILLED BIVOUAC SAC OR CHILD'S MUMMY BAG.** This bag is especially designed for use with a down-filled parka. Used alone, it is an excellent child's bag for the young camper up to 4'2". The fabric is Tenaya nylon with straight slant tube baffles at 6" intervals. It has a 10" differential cut. Fill is grey goose down. No zipper. Modified drawcord hood. Colors are blue or orange. Supplied with a waterproof stuffsack.

**SB116** . . . 16 oz. fill . . . total wt. 29½ oz. . . . \$ 55.00

# SLEEPING BAG FACTS

## THE TRAILWISE SLEEPING BAG

The sleeping bag is one of the most costly and important items the outdoorsman will purchase. It should be selected with the conditions of use well in mind. An arctic bag in warm weather can be as useless as a summer bag in blizzard conditions. Because it is impossible to construct a single bag suitable for all seasons and temperatures, we offer a series of bags designed to cover a range of conditions.

Except for the Combi, all Trailwise bags are of a mummy design. While a mummy is more confining than the rectangular bag, it significantly increases the insulating efficiency while keeping weight to a minimum. To accommodate personal preferences, we offer these bags with varying internal dimensions.

All Trailwise bags are constructed with offset, slant-tube baffles, hot-cut from nylon netting. In the Chevron, Slimline and Norrland, these baffles are sewn into a chevron pattern to provide greater control of down movement and to eliminate cold spots. Tube width has been narrowed to five inches this year to give still greater down control and bag warmth. Differentially cut inner and outer shells permit maximum lofting for greatest down efficiency.

All Trailwise bags (except Footsack) come with a no. 5 nylon double slider zipper which may be opened independently from head or foot for optimum temperature control and ventilation. With the exception of the Combi (which will only zip together with another Combi) all Trailwise zippered bags may be zippered together, even though length and style may vary. When ordering zip-together pairs, specify right and left hand zippers respectively.

Materials used in the construction of Trailwise bags are of the highest quality available. Inner and outer shells are cut from Tenaya Cloth. This unique fabric is durable, lightweight, down-proof, and water-repellent with a soft luxurious feel. The Combi is made from 1.9 Ripstop, another excellent fabric popularly used in sleeping bag construction.

White AAA goose down from Northern Europe is used in the Chevron, Slimline and Norrland bags. While this down is more expensive than the commonly-used grey down, it provides greater loft, insulation and durability.

Each Trailwise bag has been carefully researched to arrive at an optimum weight of down filling. Most bags are offered in a heavy and light fill which we feel offers the practical limits of application. The addition of more down reduces the shell's efficiency and does not provide greater warmth. The Combi and Bivouac sack incorporate simpler shell designs and are available in one fill weight only.

Sleeping bag temperature ratings are relative and should be used only as an index of comparison between bags. The low temperature range of a bag depends on many factors: adequate ground insulation, humidity, wind speed, and most important, the metabolic rate and physical condition of the sleeper. There is considerable individual variation both in the ability of the body to produce heat and to tolerate cold. Thermal underwear, sleeping bag covers, tents, significantly increase the effective temperature ratings given below.

## USE AND CARE OF SLEEPING BAGS

Before using your bag, unpack and fluff it, allowing sufficient time for the filling to loft fully. Use a pad or groundsheet under the bag even in dry conditions. Although the shell fabric is water-repellent, moisture will eventually penetrate the bag, and an additional covering is recommended in rain or snow. Dry out the bag as much as possible before stuffing it into the carrying sack. **Dry the bag COMPLETELY before storing for any length of time!** We do not recommend storing the bag stuffed. Store in a dry place, either folded gently or hung.

**Washing Instructions:** Only wash your bag when it is absolutely necessary. It is actually best to "spot clean" the bag by gently sponging off soiled areas with a non-detergent soap and water . . . rinsing thoroughly. If you feel that your bag needs a good cleaning, the steps listed below should be carefully followed:

1. Fill bathtub with enough lukewarm water to cover bag. Add woolite or some other non-detergent soap.
2. Submerge bag and sponge off dirty sections.
3. Drain tub, pushing down on bag with open hands and gently squeezing.
4. Refill tub and repeat step 3 several times until water appears clean. Gently squeeze out all excess water.
5. Carefully pick up bag from underneath and place in a mesh hammock (chaise lounge or whatever) to drip dry for a couple of days. **DO NOT HANG BAG.**
6. Gently pull the clumps of down apart from time to time.
7. After the bag is almost dry, place in cool dryer and tumble the bag to its original loft. It is a good idea to check the dryer beforehand to make sure that there are no sharp protrusions or edges that could snag the bag.

Handwashing is the best way to clean any down article. Dry cleaning takes the natural oils out of the down and the article will lose some of its loft. In either case the Ski Hut does not assume any responsibility for a bag that has been cleaned.

**NOTE:** California law requires that any Trailwise sleeping bag returned for repair must first be cleaned according to washing instructions given on this page.

## Comparative Bag Ratings

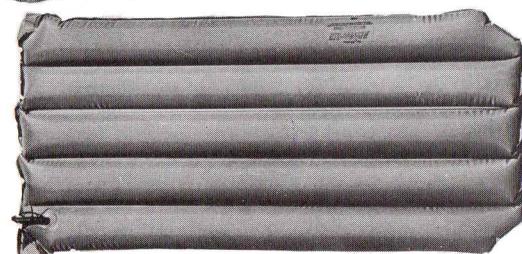
	inside circumference at shoulders and hips*	loft	conservative minimum temperature rating**
Chevron 111/5A	59" - 36"	11"	-20°
Slimline 113/5A	58" - 34"	8"	0°
Norrland 112/4A	60½" - 38½"	9"	5°
Combi	64" - 51"	7"	20°
Double Mummy 115/A	99" - 72"	8"	10°

\* Measurements given for larger bags. For smaller bags, subtract 1 to 2 inches.

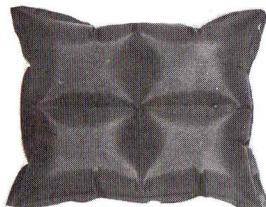
\*\* Figures are derived from tests with many individuals. As such, they represent a conservative average temperature at which discomfort would awaken a person. The temperatures are calculated for standard fill bags. Overfill bags are approximately 10° warmer.



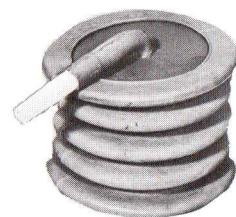
**GOOD COMPANION AIR BED.** A hip-length air mattress with separately inflating pillow, made by Thomas Black. Main section has four longitudinal tubes. Sturdy rubberized cotton canvas. Size 22" x 45." S345 . . . wt. 30 oz. . . . . \$10.00



**STEBCO AIR MATTRESSES.** Durable vinyl laminated lightweight nylon. 5 longitudinal tubes. Orange on one side, green on other. Two-year factory guarantee. S348 .28" x 50" wt. 28 oz. \$11.00 S372 .28" x 72" wt. 40 oz. \$15.00



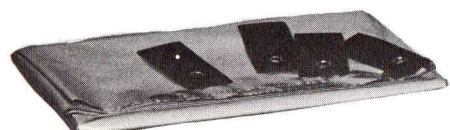
**STEBCO AIR CUSHION.** Inflatable nylon. Size 13" x 16". Color: green. S340 . . . wt. 5 oz. . . . . \$ 2.00



**LI-LO INFLATOR.** A small hand pump that will inflate your mattress in minutes. S701 . . . wt. 7½ oz. . . . . \$ 1.75



**TRAILWISE NYLPORT GROUNDSHEETS.** Fine nylon with double waterproof urethane coating; remains supple at low temperatures. Reinforced at points of strain; hemmed edges, grommets at corners and mid-points. S120/57 5' x 7' wt. 12 oz. . \$11.00 S120/79 7' x 9' wt. 24 oz. . \$15.00

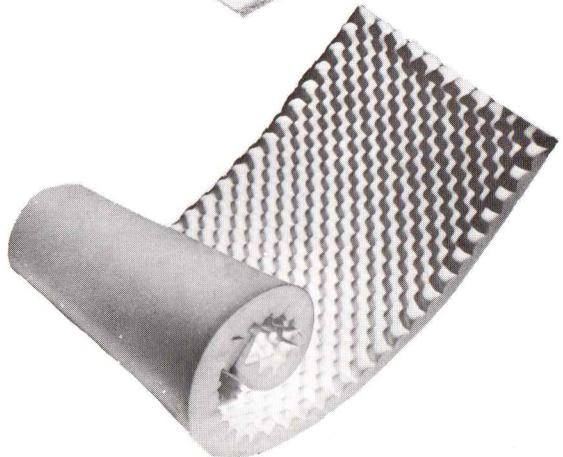


**PLASTIC GROUNDSHEET.** Inexpensive groundsheet of 3-mil waterproof polyethylene plastic. Four self-adhesive grommet tabs included. S119/58 5' x 8' wt. 12 oz. \$ 1.75 S119/81 8' x 10' wt. 22 oz. \$ 3.00

**ENSOLITE SLEEPING PAD.** Uni-cellular material will not soak up water like foam rubber. Reasonable comfort with superior insulation from ground cold and dampness. 3/8" x 19" x 42." Rolled size 5"- x 19". S121 . . . ave. wt. 14 oz. . . . . \$ 4.50



**POLYURETHANE SLEEPING MAT.** Comfortable all-purpose mat of convoluted polyurethane. Although more bulky than an air mattress, it is equal in comfort, lighter and superior in insulation. 2" overall thickness. S123/3 . . . 21" x 38" . . . wt. 16 oz. Rolled size 8" x 21" . . . . . \$ 4.00 S123/6 . . . 21" x 76" . . . wt. 32 oz. Rolled size 13" x 21" . . . . . \$ 6.95



**SLIMLINE PAD.** Covered 2" half-length foam pad. Underside is waterproof Nylport. Top is cotton to reduce slipping. Rolls into hood. Size: 21" x 38". Rolled size 9" x 6" x 20". S122 . . . wt. 20 oz. . . . . \$10.00



**AUCA HAMMOCK.** 7' x 20' nylon net rolls into pocket-sized ball. Metal tie rings. S151 . . . wt. 8 oz. . . . . \$ 7.00



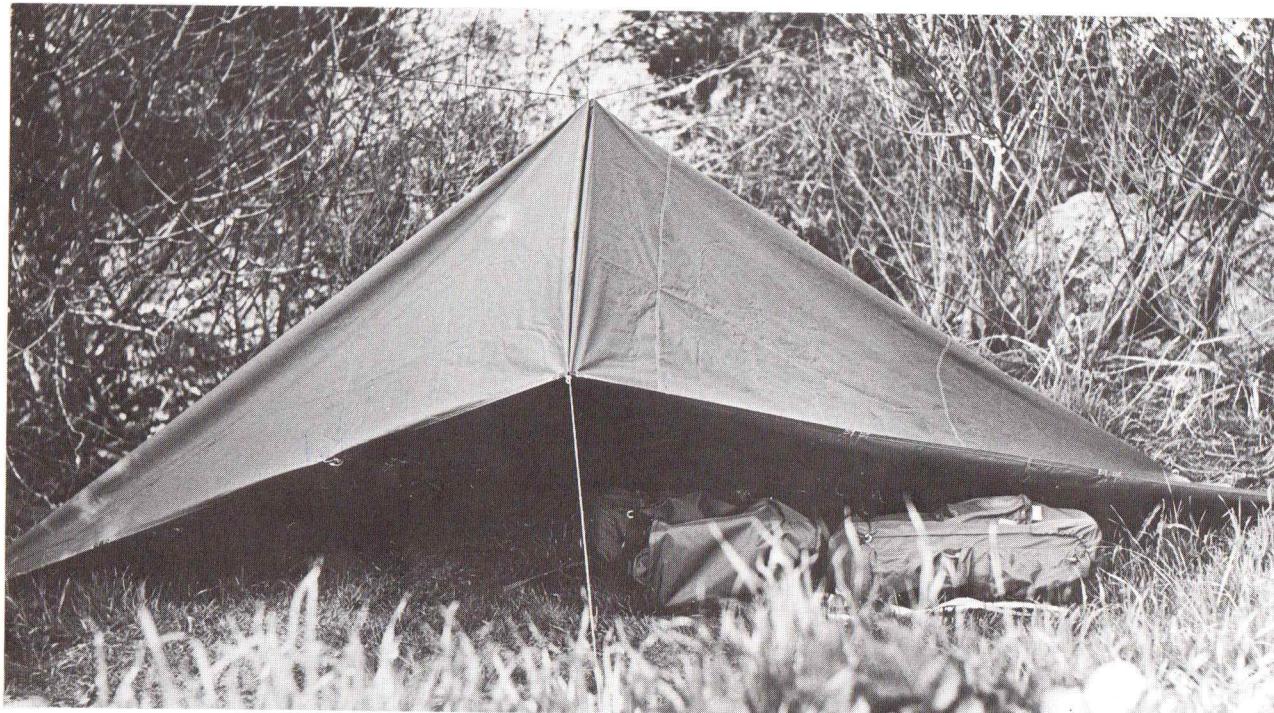


**TRAILWISE TWO-MAN MOUNTAIN TENT.** An exceptionally rigid, light-weight tent. Made of 1.9 Ripstop nylon; supported at each end by 56½" angle poles set in nylon sleeves. Floor is 56" x 89", height 48". Zippered closures on front panel with zippered nylon mosquito screen. Tunnel door with mosquito net on rear panel. Ventilating tunnel also with mosquito net at peak of rear panel. Complete ventilation with protection from insects. Sewn-in floor of waterproof urethane-coated Ripstop nylon extends 13" up side of tent. Includes poles and pegs, guy lines, shock rings, and stuffsack. Colors: green or orange with beige floor and fly.

**TWO-MAN MOUNTAIN TENT COMPLETE WITH POLES, PEGS AND FLY.** T103/fp ..... wt. 7 lb. 4 oz. \$135.00

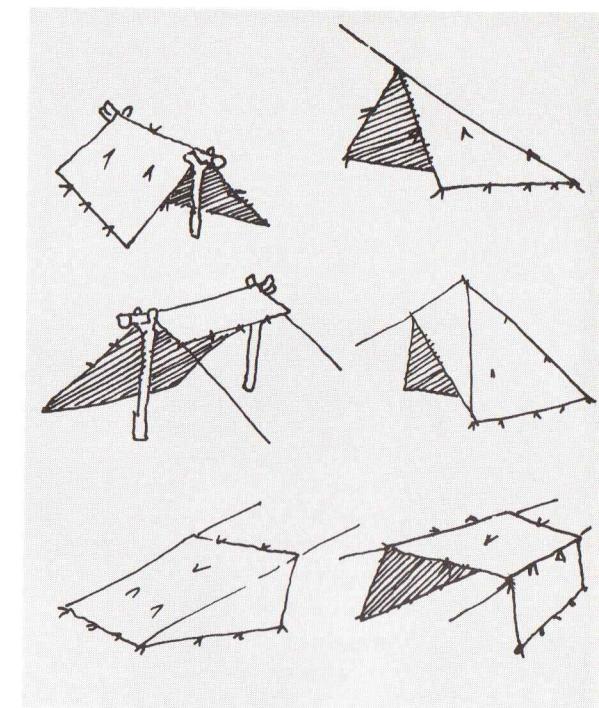
**TENT WITHOUT FLY.** (Includes poles, pegs, and guy lines.) T103 ..... wt. 5 lb. 8 oz. \$106.00

**FLYSHEET FOR TWO-MAN MOUNTAIN TENT.** Beige waterproof Ripstop nylon, with cord. T103/f ..... wt. 1 lb. 12 oz. \$ 30.00



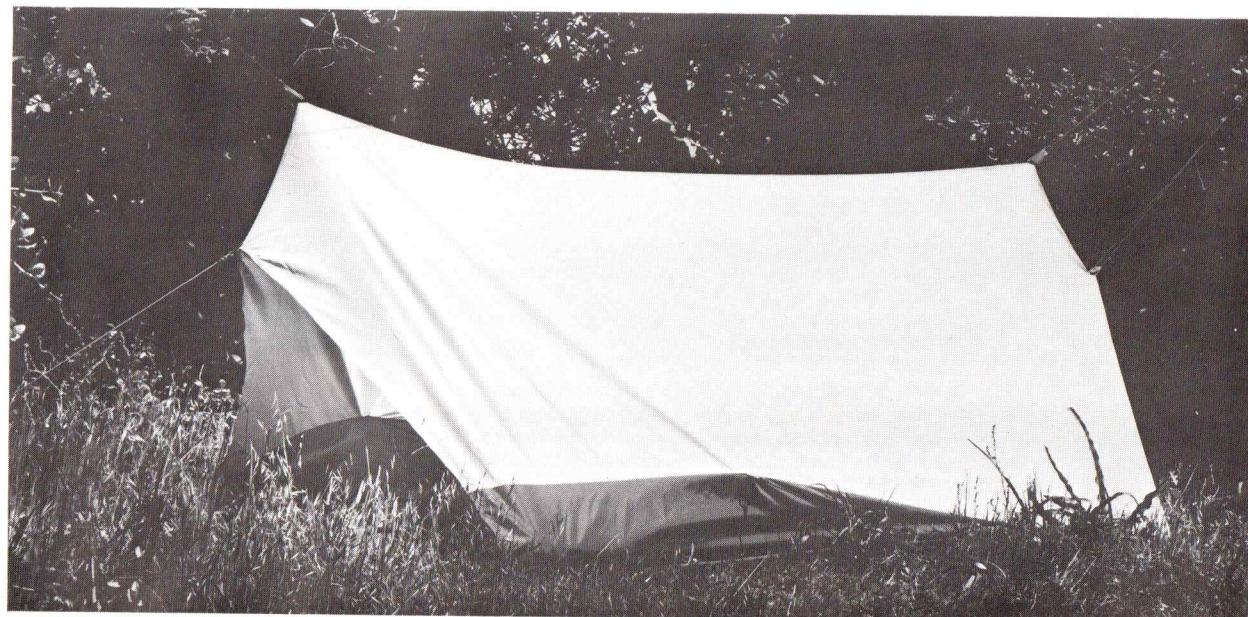
**TRAILWISE TARP TENT.** A 125" square of coated waterproof 1.9 Ripstop nylon. By using various combinations of the attached tie tapes and "dee" rings, this tarp may be pitched in a variety of configurations, making it among the most adaptable of tents. May also be used as a ground covering or tarpaulin. Comes with stuffsack and 25' of nylon cord. Color: beige.

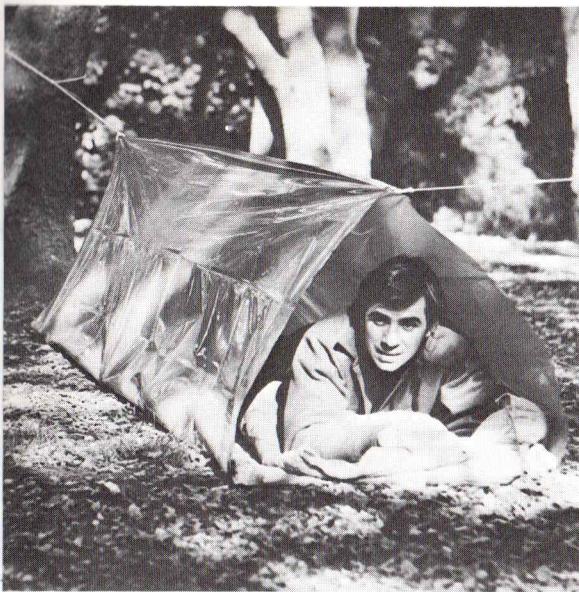
T108 ..... wt. 43 oz. ..... \$34.00



**TRAILWISE FABRIC TUBE TENT.** A durable, more sophisticated version of the popular plastic tube tent. Urethane-coated fabric throughout with heavier material used for floor. Peg loops and pullouts are bartacked loops of one-inch webbing. Floor is 86" in length and 58" wide tapering to 42" at rear. Height tapers from 42" to 36". Tent is two-toned with colors as available. Comes with stuffsack.

T105 ..... wt. 34 oz. ..... \$17.00





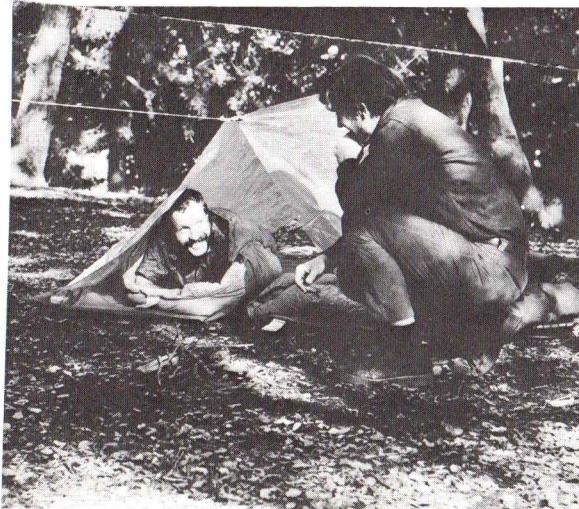
**PLASTIC TUBE TENTS.** A lightweight and useful emergency shelter made of 9½ feet of polyethylene tubing. Ridge is formed by passing rope through tent. Body and gear anchor floor. Two grommet tabs are included for tying ridgeline taut. Color: orange or green.

**ONE MAN SIZE** (8' circumference, 3-mil)

T109/1 ..... wt. 19 oz. ..... \$ 2.00

**TWO-MAN SIZE** (12' circumference, 4-mil)

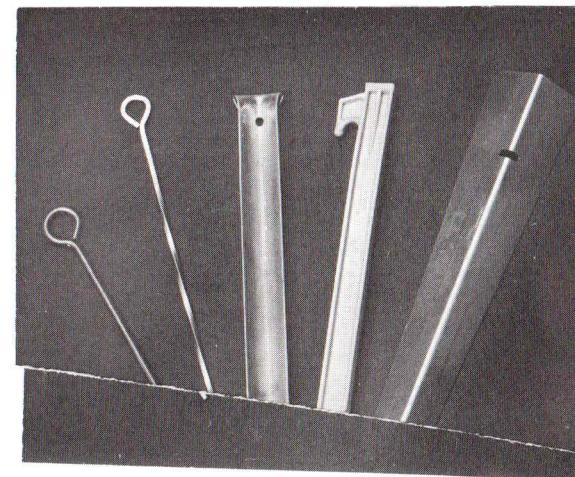
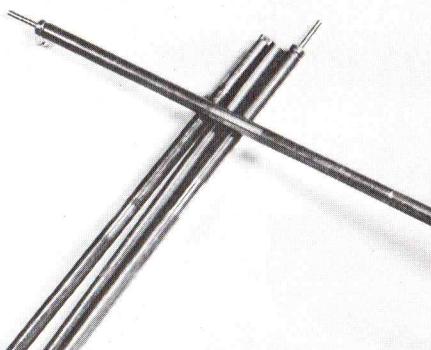
T109/2 ..... wt. 35 oz. ..... \$ 3.00



**ANGLE POLES.** Two poles in three sections of 5/8" aluminum tubing held together by elastic cord. 6" angle fitting included.

T11056 .... 56½" .... wt./pr. 13½ oz. .... \$ 8.00/pr.

T11046 .... 46½" .... wt./pr. 12 oz. .... \$ 7.25/pr.



**DURALUMIN PEGS.** Round pegs. 7" long.

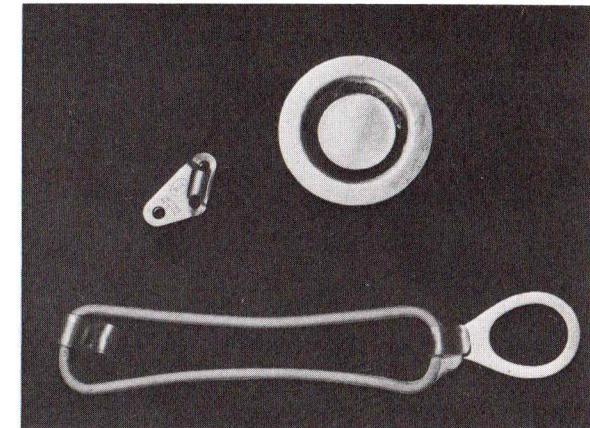
T615 ..... wt. ½ oz. ..... \$ .17

**TWISTED SKEWER PEG.** Light, high tensile steel. 9" long. T617 ..... wt. 1 oz. ..... \$ .10

**ALL-PURPOSE PEG.** Aluminum half-tube. 8½" long. T618 ..... wt. 1¼ oz. ..... \$ .47

**DURAPEG.** Strong plastic I-beam construction. 9" long. Color: bright orange. T610 ..... wt. 1½ oz. ..... \$ .31

**ANGLE SNOW PEG.** Aluminum. 10" long. T616 ..... wt. 1¾ oz. ..... \$ .45



**GUY LINE TIGHTENER.** A small triangular slider, easily adjustable, which locks tent or tarp lines. 3/16" dia. holes; for parachute cord or similar.

T201 ..... wt. ¼ oz. ..... \$ .07

**POLE BEARING PLATE.** Aluminum. For poles up to 1" in diameter.

T215 ..... wt. ½ oz. ..... \$ .10

**CORD TENSION ADJUSTER.** An elastic link from peg to guy line. Absorbs wind shock on tent walls.

T114 ..... wt. ½ oz. ..... \$ .50

**VISQUEEN CLAMPS.** For attaching lines to plastic tarps. Rubber ball fits in metal wire frame. Package of 8.

N207 ..... wt. ¼ oz. ..... \$ 1.35

**GROMMET TABS.** Grommets set in adhesive-backed plastic tabs readily attach to plastic sheeting. Package of 8.

N206 ..... \$ 1.00

**GROMMET SETTING KITS.** Complete equipment for setting grommets, including setting die, heavy-duty hole punch, cutting board, 48 grommets, and instructions. Will not set N319 grommets.

Size 0 – 1/4" hole ..... \$ 5.50

Size 1 – 5/16" hole ..... \$ 5.60

**SETTING DIES FOR PLAIN GROMMETS**

N320 ..... Size 0 – 1/4" hole ..... \$ 7.00

N321 ..... Size 1 – 5/16" hole ..... \$ 7.30

**SPUR GROMMETS**

N322 ..... Size 0 – 1/4" hole ..... \$ 7.00

N323 ..... Size 1 – 5/16" hole ..... \$ 7.30

**HOLE PUNCHES.** Spur ..... \$ 7.00

N370 ..... \$ 7.30

**GROMMETS WITH WASHERS.** Plain grommets are light-weight brass, suitable for most purposes. Spur grommets are heavier, have gripping teeth, can be set in webbing and heavy materials.

Plain Grommets – Size 0 or 1

N350 ..... Box of 144 ..... \$ 1.50

Spur Grommets – Size 0 or 1

N351 ..... Box of 144 ..... \$ 4.50

# 10<sup>th</sup> FABRICS

Cat. No.	Fabric	Wt. oz. per sq. yd.	Finish	Width (inches)	Thread Count per inch	Tear Test in lbs. (ave.)	Colors	Uses	Price per lin. yd.
N113	Tenaya Nylon	1.6	downproof	42/43	146x128	5.5	blue, orange	sleeping bags, down clothing	\$2.20
N112	Supernyl Nylon	2.5	downproof	44/45	160x92	7.0	whiskey, royal blue, emerald, chianti, brick	sleeping bags, garments	\$1.60
N107	Urethane Nylon Duck	7.8	urethane coated waterproof	42/43	60x45	56.0	brown, blue	packs, duffles, stuffsacks	\$3.50
N104	Nylport Nylon	2.35	urethane coated waterproof	44/45	104x88	2.3	blue	raingear, tent floors ponchos	\$2.00
N119	Ripstop Nylon	1.9	downproof water repellent	44/45	112x100	8.0	green, orange	sleeping bags, garments, tents	\$2.00
N120	Coated Ripstop Nylon	2.3	urethane coated waterproof	44/45	112x100	6.0	beige	tent flies, tarps	\$2.20
N127	Nylon Netting	.9	-----	45	50x50	---	grey	mosquito doors, sleeping bag baffling	\$1.05
N130	60-40 Cloth—38% nylon (warp), 62% cotton (weft)	4.0	water repellent downproof	45	110x80	12.0 (warp) 5.0 (weft)	blue, orange	garments	\$2.75

## ZIPPERS - NO. 5 NYLON CHAIN.

Single Slider, Single Pull. Closed both ends (pocket).	
9", 12", 17" .....	\$ 1.00
Double Slider, Single Pull. Separating (garment).	
28", 31", 32", 35" .....	\$ 2.00
Double Slider. Double Pull. Separating (sleeping bag).	
70", 72", 99" .....	\$ 2.75

## NYLON WEBBING.

Heavy Weight.	
HN012 .....	1/2" black .....
HN100 .....	1" blue or gold .....
HN112 .....	1 1/2" grey .....
Medium Weight.	
HN100 .....	1" grey .....

NORTHERN GOOSE DOWN.	The perfect insulator for bags, parkas, etc. Packed in plastic bags.	\$11.00
White Goose Down	.....	\$21.25
NG108 .....	1/2 lb. .....	
NG116 .....	1 lb. .....	
Grey Goose Down	1/2 lb. .....	\$19.00
NG008 .....		
NG016 .....		
REPAIR TAPE.	25' of 2" wide Ripstop material with adhesive backing. Quick repair for rips. Colors: red, blue, green.	
N100 .....		\$ 3.00

VELCRO TAPE.	3/4" hook-and-pile tape, used for closures on pockets, cuffs, flaps, etc. Strong and long lasting. Colors: beige, grey, orange, blue, green.	
NV304 .....		per foot \$ .60

**ENSOLITE.** A unicellular foam material noted for insulating efficiency and shock absorbing quality. Will not soak up water. Used for padding under sleeping bags, shoulder pads, insulation, etc.

### Full Sheets 42" x 56"

NE118 .....	1/8"	\$ 4.75
NE125 .....	1/4"	\$ 9.00
NE138 .....	3/8"	\$12.50
Half Sheets 42" x 28"		
NE018 .....	1/8"	\$ 2.50
NE025 .....	1/4"	\$ 4.80
NE038 .....	3/8"	\$ 6.50

**POLYETHYLENE SHEET** per yard \$ .75  
for tape

**SEAM SEALANT.** A clear liquid for waterproofing seams. Bonds well to most fabrics including vinyl and polyurethane. Brush on; quick drying. 4 oz. can.

N901 .....

\$ 1.60

**RAINDRI.** Water and stain repellent. A silicone formula for treatment of clothing, upholstery, canvas, and leather. 16 oz. spray can.

N905 .....

\$ 2.00

**COMBINATION EYELET AND SNAP TOOL KIT.** Plier tool, with interchangeable parts for setting eyelets and snaps. Snares and eyelets included.

N304 .....

\$ 1.79

N306 .....

100 eyelets .....

\$ .30

N307 .....

16 snaps .....

\$ .69

**DOT RIVETS.** Strong, all-purpose 2-piece rivets. Set with hammer.

N411 .....

box of 100 .....

\$ 2.75

**BAG SNAPS.** Steel clip. Nickel finish.

N420 .....

1/2" .....

ea. \$ .17

N421 .....

1" .....

ea. \$ .18

**SLIDE FASTENERS.**

N415 .....

1" .....

ea. \$ .05

**DEE RINGS.** Dimensions

**NOOSE BUCKLE.** Quick-release buckle for 1/2" webbing.

N417 .....

\$ .25

**SPEEDY STITCHER SET.** For sewing any heavy material, including leather, with lock stitch. Set contains sewing awl with bobbin and thread and three needles.

N201 .....

wt. 3 1/2 oz. .....

\$ 1.75

**DELUXE SPEEDY STITCHER SET.** Includes, in addition to the set described above, 180 yards of thread and 3 more needles.

N202 .....

wt. 7 oz. .....

\$ 3.25

**SPEEDY STITCHER THREAD.** 30 yards.

N203 .....

Fine .....

\$ .30

N204 .....

Heavy .....

\$ .40

**SPEEDY STITCHER NEEDLES**

N205/l .....

Light .....

\$ .20

N205/h .....

Heavy .....

\$ .20

N205/hc .....

Heavy Curved .....

\$ .20

**DRAWSTRING CLAMP.** Spring loaded plastic clamp that will hold drawstrings up to parachute cord size on parkas, hoods, packs, etc.

R901 . . . . . wt. 1/4 oz. . . . . \$ .35

**BELT HOOK.** Sturdy nylon strap with swivel snap hook for attaching cups, canteens, etc.

A122 . . . . . wt. 1 oz. . . . . \$ .60

**PLASTIC WHISTLE.** A must for safety in the mountains. Color: white.

E503 . . . . . wt. 1/2 oz. . . . . \$ .30

**PLASTIC SOAP DISH.** Hinged lid with catch. Holds 1 bar of soap. 4" x 2 1/2" x 1 1/2".

G204 . . . . . wt. 1 1/4 oz. . . . . \$ .25

**PLASTIC WASH BASIN.** Heavy gauge Vinylite. 10" dia., 4 1/2" height. U660 . . . . . wt. 3 1/2 oz. . . . . \$ 1.10

**PLASTIC WATER BUCKET.** Vinylite with handle. 7 1/2" dia., 7 1/2" height.

U661 . . . . . wt. 3 1/2 oz. . . . . \$ 1.10

**UTILITY POUCHES.** Flat clear waterproof plastic envelopes with slide closures.

G206/811 . . . 8" x 11" . . . \$ .45

G206/913 . . . 9 1/2" x 13" . . . \$ .60

G206/1216 . . . 12" x 16" . . . \$ .70

**METAL MIRROR.** 3" x 4". Has hole for hanging.

G201 . . . . . wt. 2 1/2 oz. . . . . \$ .35

**TOOTHBRUSH.** 2-piece brush. Hollow handle serves as carrying case. Packed length 3 1/2". Comes in kit with toothpaste.

G202 . . . . . wt. 1/2 oz. . . . . \$ 1.00

**ALPINE CANE.** Imported from Germany. A good companion on mountain trails. Strong lightweight Weichsel wood. End is fitted with metal ferrule and spike. Average length 36".

MA211 . . . . . wt. 8 oz. . . . . \$ 4.00

**NYLON CORD.** 1/8" cord; 550 lb. test.

C050 . . . 50' hank . . 3 oz. . . \$ 1.00

C100 . . . 100' hank . . 6 oz. . . \$ 2.00

**MOSQUITO HEADNET.** Brand new French army surplus. Color: O.D.

G114 . . . . . wt. 3 1/2 oz. . . . . \$ .85

**CUTTER'S SNAKEBITE KIT.** An essential item for the outdoorsman. Consists of three suction cups, vial of antiseptic, lymph constrictor, and knife blade. 1" x 3".

E509 . . . . . wt. 1 oz. . . . . \$ 3.00

**WATER PURIFICATION TABLETS.** Kills most germs and bacteria within 30 minutes. One small bottle contains 100 halazone tablets.

G113 . . . . . wt. 1 1/2 oz. . . . . \$ 1.00

**6-12 STICK REPELLENT.** One application gives 6 to 8 hours protection against insects.

G112 . . . . . wt. 1 1/2 oz. . . . . \$ 1.05

**OFF REPELLENT.** A clear liquid that repels mosquitos, gnats, etc. One application lasts hours. 1 1/2 oz. bottle.

G110 . . . . . wt. 4 oz. . . . . \$ .80

**CUTTER'S INSECT REPELLENT.** Highly concentrated formula. Expensive but good. A little goes a long way. Plastic squeeze bottle.

G111 . . . . . wt. 1 1/2 oz. . . . . \$ 1.50

**SKREEN.** A high altitude cream used by the conquerors of Mt. Everest. Prevents burning, permits tanning.

G104 . . . . . wt. 1 1/2 oz. . . . . \$ 1.50

#### GLACIER CREAMS.

**Red Tube.** Prevents burning and tanning at high altitudes. 1 oz. tube.

G101 . . . . . wt. 1 oz. . . . . \$ .75

**Green Tube.** Prevents burning, allows tanning. 1 oz. tube.

G102 . . . . . wt. 1 oz. . . . . \$ .70

**LUBRIDERM LOTION.** Recommended for chapping, windburn, relief of sunburn. 4 oz. plastic bottle.

G105 . . . . . wt. 5 oz. . . . . \$ 1.35

**SUNDARE.** A clear lotion to prevent burning while promoting a tan. Not oily or sticky. 4 oz. plastic bottle.

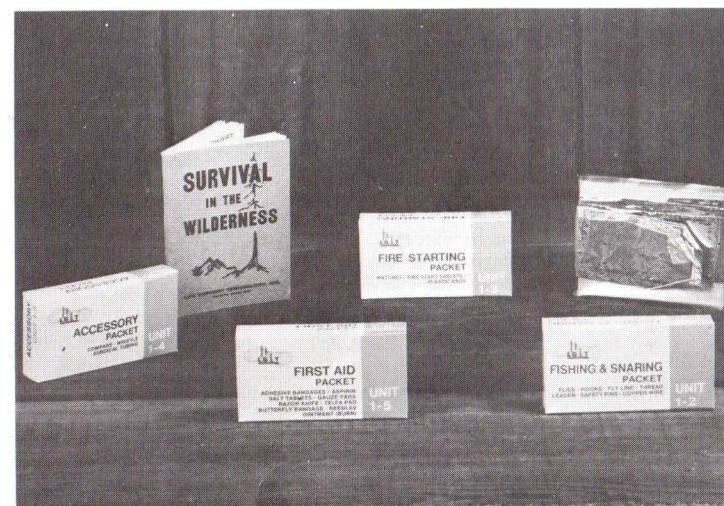
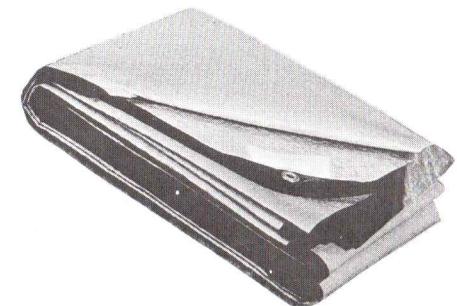
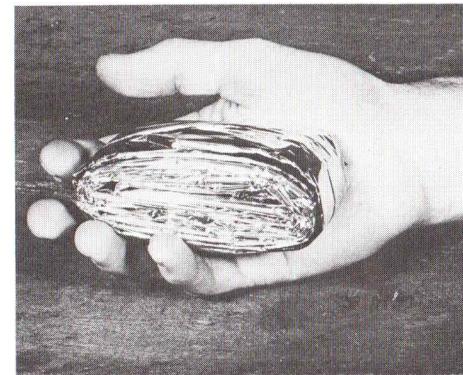
G103 . . . . . wt. 5 oz. . . . . \$ 1.95

**A-FIL SUN STICK.** For lips that are sensitive to sun and wind. Prevents chapping.

G108 . . . . . wt. 1 oz. . . . . \$ 1.10

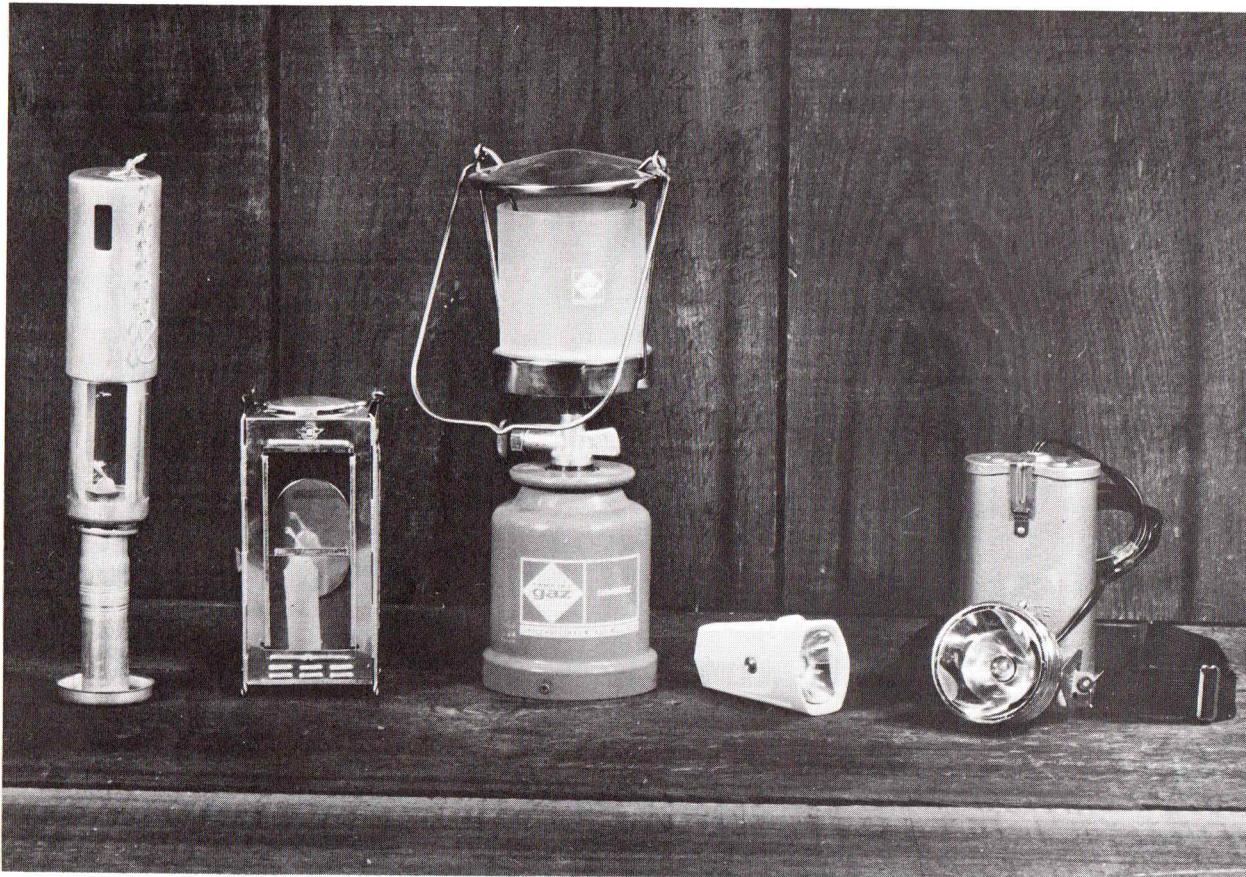
**GLASS GARD.** Adjustable elastic band keeps glasses safely in place. Fastens simply and securely to your glass frames.

E510 . . . . . wt. 1/4 oz. . . . . \$ 1.00



**WILDERNESS SURVIVAL KIT.** An excellent, compact, basic survival kit. Contains: First Aid unit, firestarting unit, fishing and snaring unit, compass, whistle, surgical tubing, aluminum foil, plastic bags, mirror, Survival Manual. Size: 2" x 4" x 4 1/2".

E901 . . . . . wt. 10 oz. . . . . \$ 7.00



**FRENCH CANDLE LANTERN.** Cylindrical aluminum lantern, 2" x 4½" when collapsed. Opens to 11½" long. Shielded glass chimney; spring mechanism keeps candle at uniform burning height. Safe and efficient.  
**E209** ..... wt. 3¾ oz. ..... \$ 5.00

**FOLDING CANDLE LANTERN.** A light and compact tin lantern. Mica windows on three sides and hinged door on rear. Large reflector. Folds flat into a compact 5/8" x 2" x 6". Size when open 3" x 3" x 6". Properly vented.  
**E210** ..... wt. 4 oz. ..... \$ 3.00

**STEARENE CANDLES.** For use with candle lanterns. Burning time over 3 hours.  
**E211** ..... wt. 2 oz. ..... each \$ .07  
                           1 dozen \$ .80

**BLEUET LANTERN.** Uses same butane cartridge as Bleuet stove. Economical and simple; just turn valve and light. Burns 4½-5 hours at full-on position. Frosted glass globe for bright glare-free light. Height 12". Supplied with one cartridge.  
**E216** ..... wt. w/1 cart. 37 oz. ..... \$13.50

**BUTANE CARTRIDGES.**  
**U711** ..... wt. 10 oz. ..... each \$ .95  
**U712** ..... wt. 3¾ lbs. ..... Box of six \$ 5.25

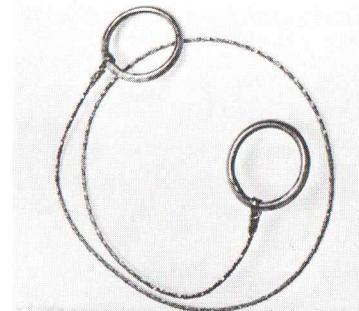
**BLEUET MANTLES.**  
**E217** ..... \$ .40

**FROSTED GLASS CHIMNEY.** For Bleuet lanterns.  
**E218** ..... \$ 1.75

**MALLORY FLASHLIGHT.** Compact flashlight that throws 250-foot beam. Molded plastic case. Comes with 2 AA manganese batteries. Case is 4" long.  
**E105** ..... wt. w/batt. 3½ oz. ..... \$ 1.98  
**E105/B** Bulb for Mallory Flashlight ..... \$ .20

**JUSTRITE HEAD LAMP.** Rugged 5½" x 3" x 1½" steel case fits in pocket or clips on belt. Lamp and switch enclosed in lightweight, padded head piece which leaves both hands free. Uses 4 size "D" batteries. 1500-foot beam.  
**E101** ..... wt. 16 oz. ..... \$ 7.00

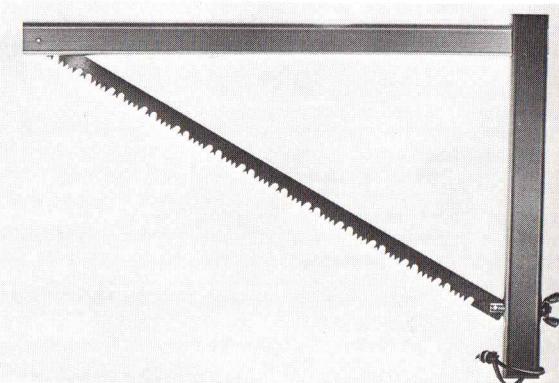
**ALKALINE BATTERIES.** Five to ten times the life of an ordinary battery.  
**E121** ..... "AA" size ..... \$ .65  
**E124** ..... "D" size ..... \$ 1.00



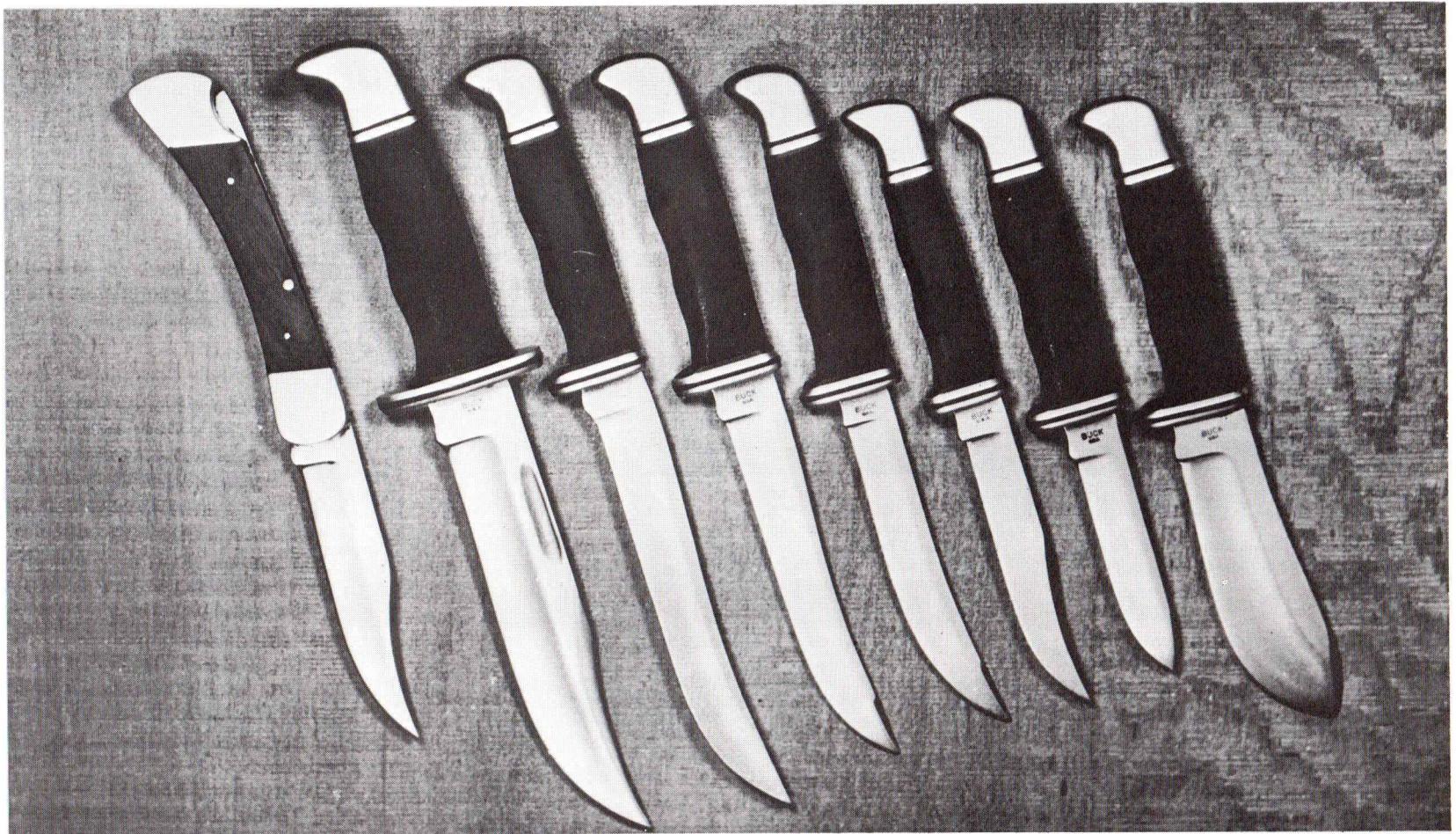
**WIRE SAW.** A fine survival kit item. Hardened steel; rugged, lightweight, compact, and inexpensive, this unique little saw fills a variety of needs. A bow may be cut of green wood and fitted to the end rings, making an efficient bucksaw.  
**J522** ..... wt. ½ oz. ..... \$ 1.10



**SWEDISH FOLDING SAW.** Fast-cutting 11" blade folds safely into rugged plastic handle and locks open for use.  
**J500** ..... wt. 9 oz. ..... \$ 5.00



**SVEN SAW.** Rugged folding bucksaw with tempered Swedish steel blade and frame of lightweight anodized aluminum. Single wing nut locks saw open or closed. 20" blade is completely and safely enclosed when saw is folded. Carrying size 23" x 1½" x ½".  
**J521** ..... wt. 16 oz. ... \$ 8.00  
**J521/b** Extra blades with stud ..... wt. 16 oz. ... \$ 2.00



**BUCK KNIVES.** Each Buck Knife is entirely handmade and fully guaranteed for the lifetime of the purchaser. They are further guaranteed to hold an edge better than any other knife known today.

Buck knives are supplied with a non-reflective black sheath of tough cowhide with a snap fastened safety flap.

**FOLDING HUNTER.** 4" blade pivots on  $\frac{1}{4}$ " bearing and has positive lock in open position. Handle is golden-grain Macassar ebony wood with solid brass bolsters and liner cast in one piece. May be carried in pocket or sheath. An ideal heavy-duty outdoor knife for those preferring a folding blade. Overall length when closed is 5".

J110 ..... wt. 8 oz. ..... \$16.00

**SPECIAL.** A heavy-duty Bowie-styled knife with 6" blade. Beautifully balanced and shaped.

J119 ..... wt. 12 oz. ..... \$20.00

**FISHERMAN.** 5 $\frac{1}{4}$ " slightly curved flexible blade makes this an excellent filleting knife.

J121 ..... wt. 6 oz. ..... \$14.00

**PATHFINDER.** Heavy-duty 5" blade curves upward at tip for skinning. An excellent general use hunting and fishing knife.

J105 ..... wt. 7 oz. ..... \$16.00

**PERSONAL.** Mr. Buck's original design has never required alteration. 4 $\frac{1}{2}$ " blade combines upswept point of Skinner with slender blade of small game knife.

J118 ..... wt. 6 $\frac{1}{2}$  oz. ..... \$14.00

**WOODSMAN.** 4" straight blade with fine point for cleaning fish or dressing out small game as well as general camp use.

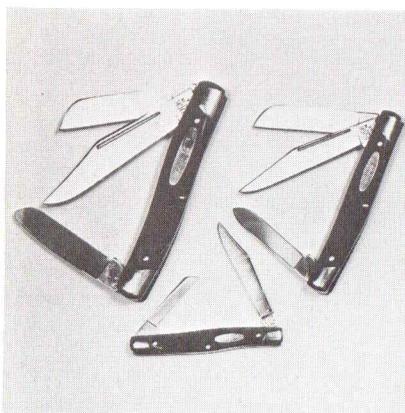
J102 ..... wt. 6 oz. ..... \$13.00

**CAPER.** The smallest of the Buck line. 3 $\frac{1}{2}$ " blade makes this ideal for more precision uses; cleaning and dressing pan fish, small game, and birds.

J116 ..... wt. 5 $\frac{1}{4}$  oz. ..... \$14.00

**SKINNER.** Broad 4" blade. A special purpose knife for skinning.

J103 ..... wt. 8 $\frac{1}{2}$  oz. ..... \$18.00


**BUCK POCKET KNIVES**

**STOCKMAN.** Three blades of Buck quality steel in a precision tool to fit the pocket. Brass liners; non-slip grips. Longest blade 3". Overall length closed 4".

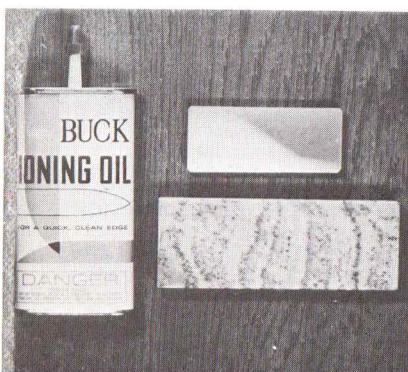
J120 ..... wt. 3 oz. ..... \$13.00

**CADET.** A 3/4-scale version of the Stockman pocket knife. Longest blade is 2 1/2". Overall length closed 3 1/4".

J123 ..... wt. 1 1/4 oz. ..... \$12.00

**LANCER.** The smallest and newest Buck pocket knife. Two blades. Longest blade is 2". Overall length closed 2-5/8".

J125 ..... wt. 1/2 oz. ..... \$ 7.00



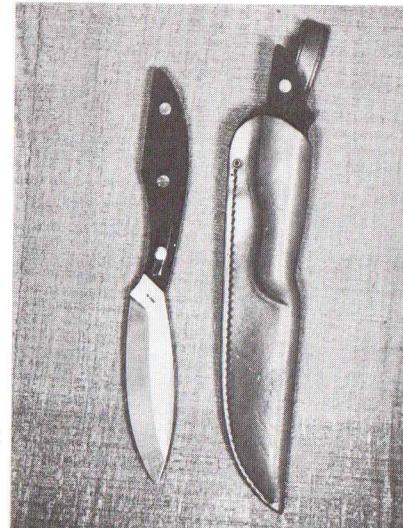
**BUCK HONING KIT.** Everything you need to keep your Buck knives shaving sharp. Washita stone for fast sharpening. Honing Oil promotes abrasive action of stone and speeds up sharpening. Arkansas finish stone for that final razor edge. Packed in plastic case.

J133 ..... wt. 13 oz. . \$ 4.75

J130 Arkansas Stone . wt. 1 oz. . \$ 2.50

J131 Washita Stone . wt. 4 oz. . \$ 1.75

J132 Honing Oil .... wt. 4 oz. . \$ .80



**RUSSELL BELT KNIFE.** This unusual knife has received many design awards for beauty and function. Handcrafted in Nova Scotia. Blade is of high carbon Swedish steel. Holds a keen cutting edge. Rosewood handle is secured by three brass rivets. Molded cowhide scabbard. 4" blade.

J150 ..... wt. 6 oz. ..... \$16.00

**SWISS. ARMY KNIFE NO. 730.** Blade — Nail File — Can Opener — Cap Lifter — Corkscrew — Regular Screwdriver — Awl — Tweezers — Toothpick — Lanyard Ring.

J730 ..... wt. 2 1/2 oz. ..... \$ 8.00

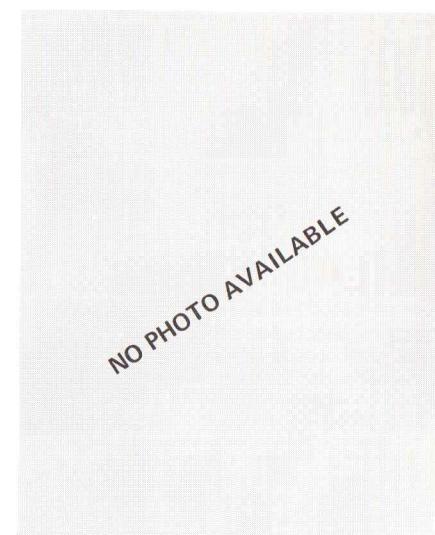


**SWISS ARMY KNIFE NO. 532.** Blade — Nail File — Scissors — Corkscrew — Tweezers — Toothpick — Lanyard Ring.

J532 ..... wt. 2 oz. ..... \$ 9.00

**SWISS ARMY KNIFE NO. 727.** Blade — Nail File — Scissors — Can Opener — Hook Disgorger — Awl — Phillips and Regular Screwdrivers — Tweezers — Toothpick — Lanyard Ring.

J727 ..... wt. 3 oz. ..... \$13.00



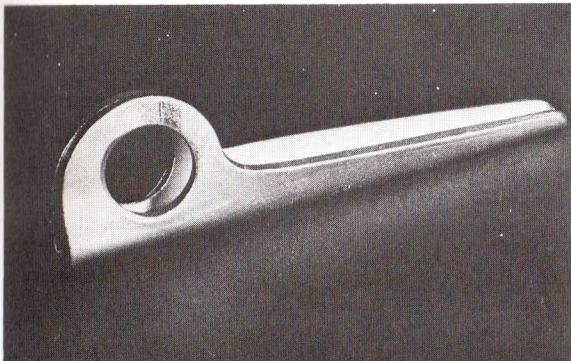
**SWISS ARMY KNIFE NO. 16935.** Blade — Nail File — Magnifier — Screwdrivers — Can Opener — Cap Lifter — Reamer — Phillips Screwdriver — File — Scissors — Saw — Metal File — Fish Scaler w/Hook Disgorger — Tweezers — Toothpick — Lanyard Ring.

J16935 ..... wt. 4 1/4 oz. ..... \$21.00

**EXECUTIVE SWISS ARMY KNIFE.** Diminutive size (2 1/4" long) conceals a variety of useful functions: Pen Blade, Nail File and Scissors.

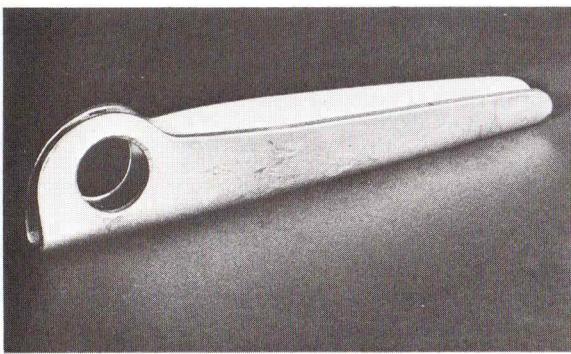
J782 ..... wt. 1/2 oz. ..... \$ 5.30





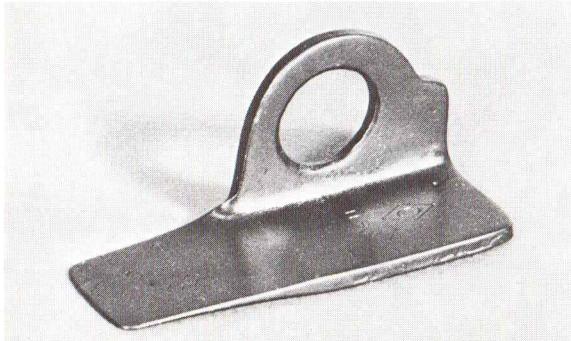
## WEDGE ANGLES

HY102	1/2"	2 oz.	\$ 1.00
HY158	5/8"	2 oz.	\$ 1.00



## REGULAR ANGLES

HY034	3/4"	3 oz.	\$ 1.00
HY010	1"	4 oz.	\$ 1.15
HY014	1 1/4"	4 1/2 oz.	\$ 1.35
HY015	1 1/2"	5 oz.	\$ 1.65



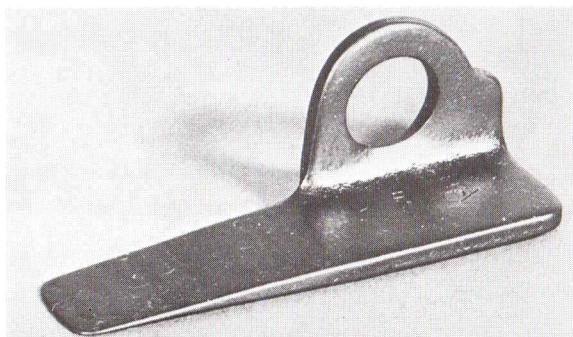
## KNIFEBLADES

HY004	Standard	1 1/4 oz.	\$ 1.25
HY005	Thick	2 oz.	\$ 1.25



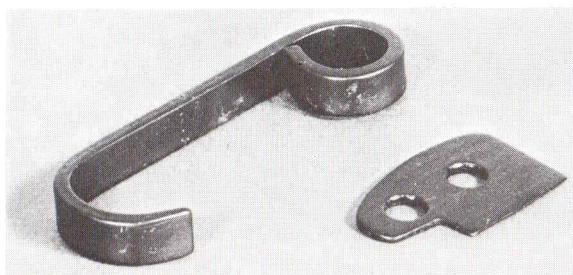
## LOST ARROW HORIZONTALS

HY401	Short Thin	2 oz.	\$ 2.25
HY402	Short Medium	2 1/4 oz.	\$ 2.25
HY403	Short Thick	2 1/2 oz.	\$ 2.25
HY404	Long Thin	2 3/4 oz.	\$ 2.25
HY405	Long Medium	3 oz.	\$ 2.25
HY406	Long Thick	3 1/4 oz.	\$ 2.25
HY407	Wedge	3 3/4 oz.	\$ 2.25
HY408	X-Long Thick	4 oz.	\$ 2.25



## BUGABOO PITONS

HY002	Short	1 1/2 oz.	\$ 1.50
HY003	Long	3 oz.	\$ 1.50

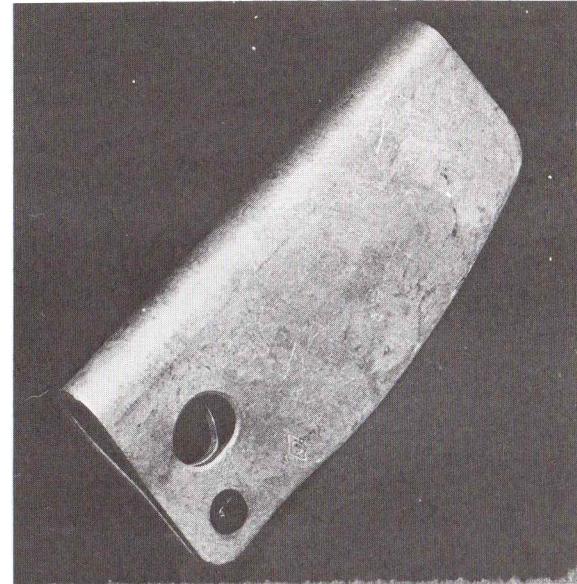


## CLIFFHANGER

HY009	2 oz.	\$ 1.65
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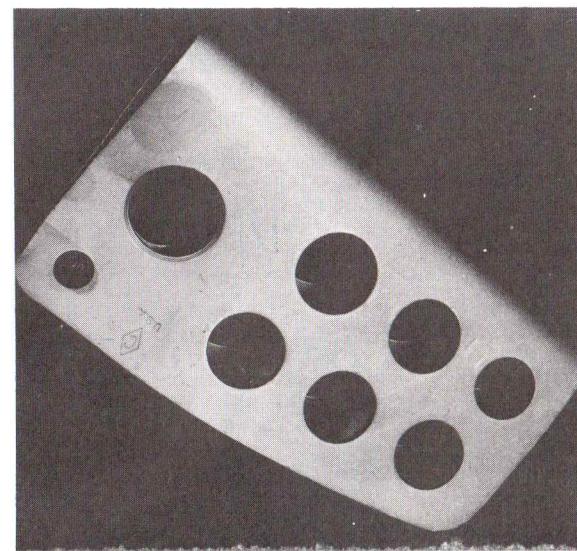
## RURP

HY000	3/4 oz.	\$ 1.00
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## ALUMINUM BONGS

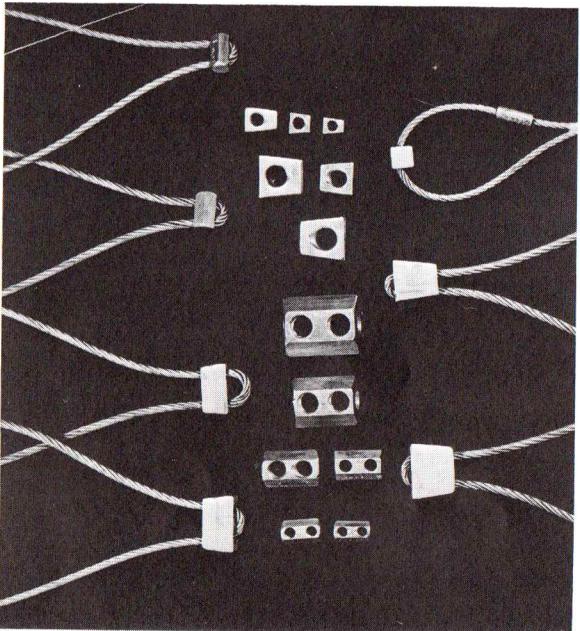
HY610	2"	4 oz.	\$ 2.50
HY611	2 1/2"	6 oz.	\$ 2.70
HY612	3"	8 oz.	\$ 3.00
HY613	4"	10 oz.	\$ 3.25



## STEEL BONGS

HY510	2"	7 1/2 oz.	\$ 2.00
HY511	2 1/2"	9 1/2 oz.	\$ 2.40
HY512	3"	11 1/2 oz.	\$ 2.60
HY513	4"	13 1/2 oz.	\$ 2.80

**CLIMBING NUTS.** Precision-machined artificial chockstones are a worthwhile complement to any piton selection. They are far lighter than pitons, being formed of high-strength aluminum, and they are easier to place and remove. Because of their method of placement, climbing nuts do not aggravate expanding flakes, and they work in cracks too shallow for proper piton placement.



**CLOGWYN CLIMBING NUTS.** Artificial chocks. Hexs and wedges.

**HEXAGONAL CHOCKS.**

HCH-1	.....	\$ .50
HCH-2	.....	\$ .60
HCH-3	.....	\$ .65
HCH-4	.....	\$ .75
HCH-5	.....	\$ 1.25
HCH-6	.....	\$ 1.50

**HEXAGONALS WITH WIRE SLING**

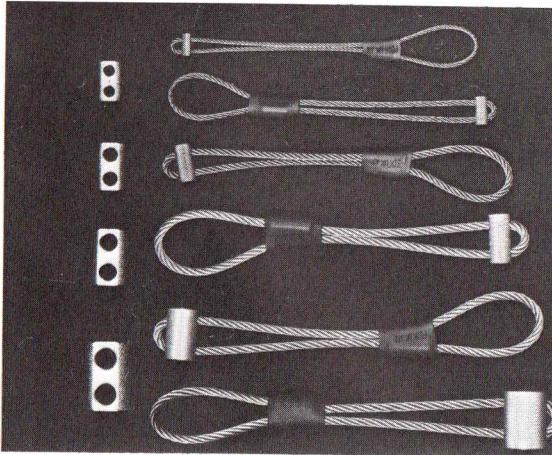
HCH/W-0	.....	\$ 1.75
HCH/W-1	.....	\$ 1.75
HCH/W-2	.....	\$ 1.75
HCH/W-3	.....	\$ 1.75
HCH/W-4	.....	\$ 1.75

**WEDGE CHOCKS**

HCW-2	.....	\$ .60
HCW-3	.....	\$ .60
HCW-4	.....	\$ .60
HCW-5	.....	\$ .60
HCW-6	.....	\$ .75

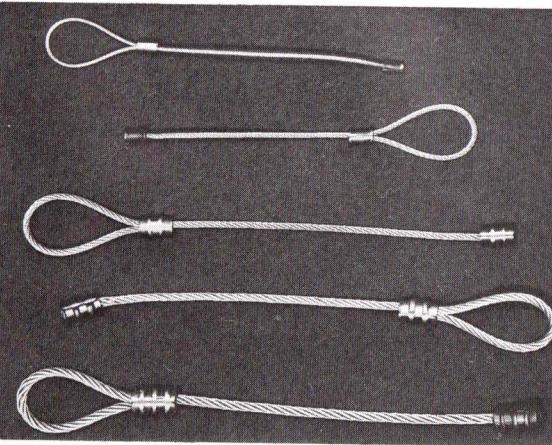
**WEDGES WITH WIRE SLING**

HCW/W-1	.....	\$ 1.75
HCW/W-2	.....	\$ 1.75
HCW/W-3	.....	\$ 1.75
HCW/W-4	.....	\$ 1.75



**PECKS CRACKERS.** Artificial chockstones with circular cross-section. Knurled for better grip.  
**PLAIN CRACKERS.**

HPC 8	.....	\$ .90
HPC 10	.....	\$ .90
HPC 13	.....	\$ 1.00
HPC 16	.....	\$ 1.25
<b>CABLED CRACKERS.</b>		
HPC4	.....	\$ 2.10
HPC5	.....	\$ 2.10
HPC 7	.....	\$ 2.10
HPC 9	.....	\$ 2.10
HPC 12	.....	\$ 2.10
HPC 15	.....	\$ 2.10



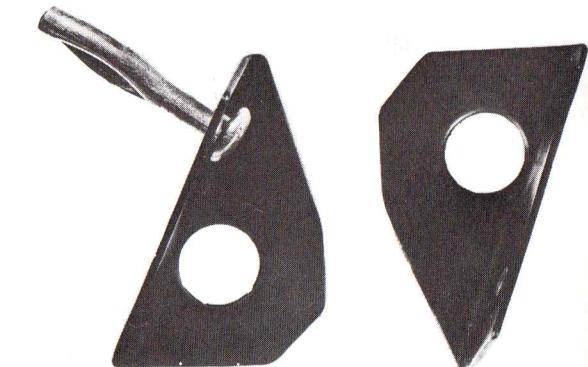
**COPPERHEAD NUTS.** Copper jam-nuts with wire slings.

HF101 (no. 1)	.....	\$ 1.50
HF102 (no. 2)	.....	\$ 1.50
HF103 (no. 3)	.....	\$ 1.50
HF104 (no. 4)	.....	\$ 1.50
HF105 (no. 5)	.....	\$ 2.25



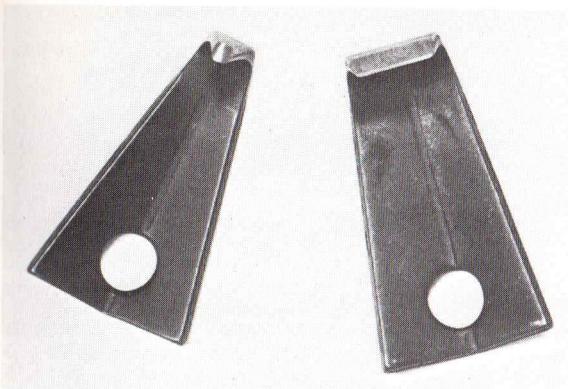
**LEEPER "Z" SECTION PITONS.**  
**REGULAR LENGTH.**

HL AA	.....	1/4"	.....	wt. 2 oz.	.....	\$ 1.05
HL A	.....	5/16"	.....	wt. 2 oz.	.....	\$ 1.05
HL B	.....	7/16"	.....	wt. 3 oz.	.....	\$ 1.05
HL C	.....	9/16"	.....	wt. 4 1/2 oz.	.....	\$ 1.25
<b>STUBBY LENGTH.</b>						
HL AS	.....	5/16"	.....	wt. 2 1/2 oz.	.....	\$ 1.05
HL BS	.....	7/16"	.....	wt. 2 1/2 oz.	.....	\$ 1.05
HL CS	.....	9/16"	.....	wt. 3 oz.	.....	\$ 1.25



**LEEPER CARABINER HANGER WITH COMPRESSION BOLT.** Chrome-moly steel. 1/4" rawl bolt. 1 1/2" long.  
**H910** ..... wt. 1 1/2 oz. ..... \$ .55

**LEEPER CARABINER HANGER.** Chrome-moly steel. Specify 1/4" or 3/8" bolt size.  
**HL914** ..... 1/4" ..... wt. 7/8 oz. ..... \$ .35  
**HL938** ..... 3/8" ..... wt. 7/8 oz. ..... \$ .35



**LOGAN CLIFF HANGER.** Three point contact with rock for stability. Will stay on hold and not rotate off. Use with  $\frac{1}{2}$ " tubular webbing.

HL401 (Narrow) ..... \$ 1.00  
HL402 (Wide) ..... \$ 1.00



#### BOLT EQUIPMENT

##### HOLDER FOR 1/4" AND 3/8" DRILLS.

HN100 ..... wt. 8 oz. ..... \$ 2.50

**DRILLS:** Two-flute for faster drilling.

1/4" size for Rawl bolts

HN214 ..... \$ 1.60

1/4" size for Star Dryvins

HN414 ..... \$ 1.75

3/8" size for Rawl or Star Dryvins

HN238 ..... \$ 2.20

**BOLTS:** Rawl type:

HN514 ..... 1/4" stud x 1 1/2" ..... \$ .20

HN614 ..... 1/4" stud x 2" ..... \$ .25

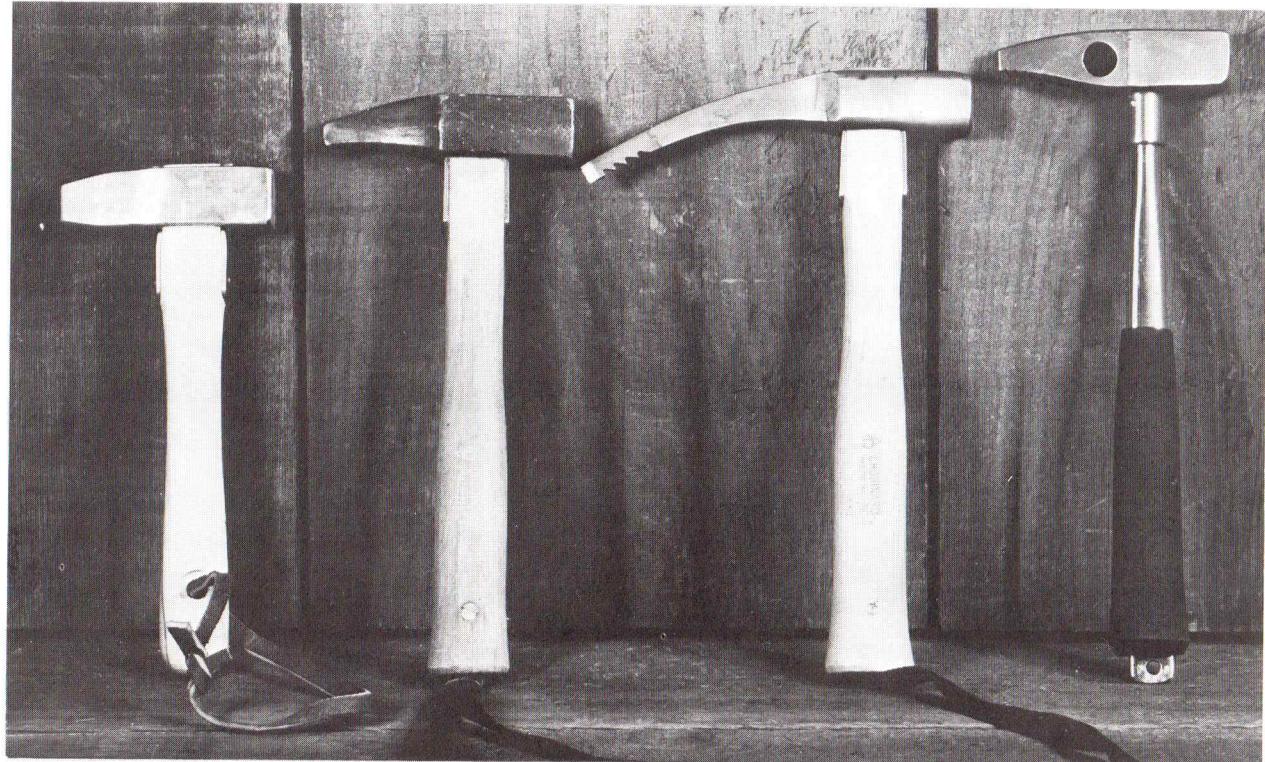
HN638 ..... 3/8" stud x 2 1/2" ..... \$ .35

Star Dryvin type:

HN714 ..... 1/4" x 1" ..... \$ .13

HN838 ..... 3/8" x 1 1/2" ..... \$ .22

HN938 ..... 3/8" x 2" ..... \$ .31



**PITON HAMMER MODEL "C".** German made. Chisel head is anchored with iron straps. Ash handle with leather thong.  
HH101 ..... wt. 20 oz. ..... \$ 5.00

**CHOUINARD YOSEMITE HAMMER.** Perfectly balanced 18 oz. head is mounted on a handle of American hickory. Blunt pick serves dual purpose: to pound pitons in tight places and to pry when necessary. Each hammer comes with a permanently attached shoulder sling.

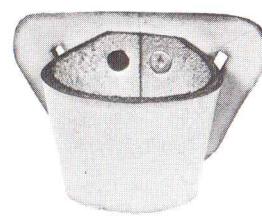
HH202 ..... wt. 24 oz. ..... \$14.00

**CHOUINARD ALPINE HAMMER.** Long, narrow, drooped pick with serrations at tip for use as an ice dagger on hard ice. Also good for cleaning ice out of cracks and chopping steps at close quarters.

HH201 ..... wt. 22 oz. ..... \$16.00

**CMI HAMMER.** Perfectly balanced. Head is made of tempered tool steel. Shaft is thick-walled aircraft tubing. Shock-absorbing rubber grip with cord tie-on. Serrations on pick for extracting pitons. Carabiner hole. Each hammer is serial numbered and guaranteed for one year. Length 12-3/8"

HH300 ..... wt. 25 oz. ..... \$16.00



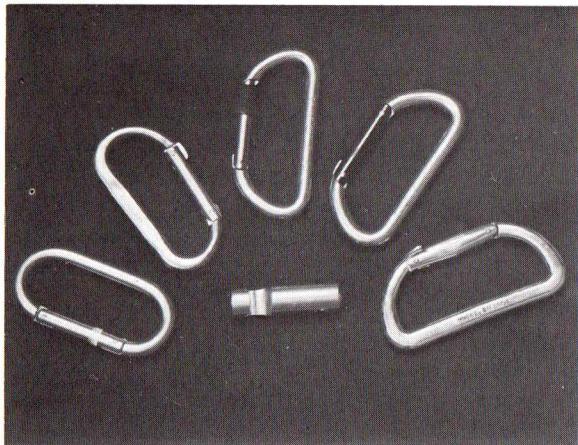
**LEATHER HAMMER HOLSTER.** Riveted construction. Slits for belt. Holster mounts close to belt so it will not twist when pulling hammer out.

HH110 ..... wt. 1 1/2 oz. ..... \$ 1.65

**DOLT HAMMER HOLSTER.** Tough but flexible nylon holster. Unlike leather, this material will not soften with age. Riveted construction.

HH112/W ..... wt. 1 oz. ..... \$ 3.50

HH112/B Heavy-duty ..... wt. 1 1/2 oz. ..... \$ 4.00



**OVAL CARABINER.** Aluminum alloy. Notched gate. Tests about 2700 lbs.

HK102 ..... wt. 2 oz. .... \$ 2.25

**CHOUINARD CARABINER.** Aluminum alloy. Tests about 4500 lbs.

HK100 ..... 2-1/3 oz. .... \$ 3.50

**BONAITI LOCKING CARABINER.** Aluminum alloy. Tests at 5000 lbs.

HK216 ..... 2-4/5 oz. .... \$ 3.50

**BONAITI CARABINER.** Aluminum alloy. Tests about 4800 lbs.

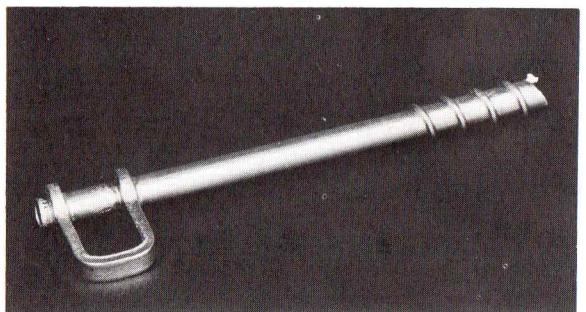
HK215 ..... 2% oz. .... \$ 3.00

**RD CARABINER.** Aluminum alloy. Barrel-shaped gate, convex tension bar. Tests about 6380 lbs.

HK105 ..... wt. 3 oz. .... \$ 3.75

**ALUMINUM BRAKE BAR.** For friction braking on rappels. Machined to fit oval carabiner.

HK300 ..... 1¼ oz. .... \$ 1.25

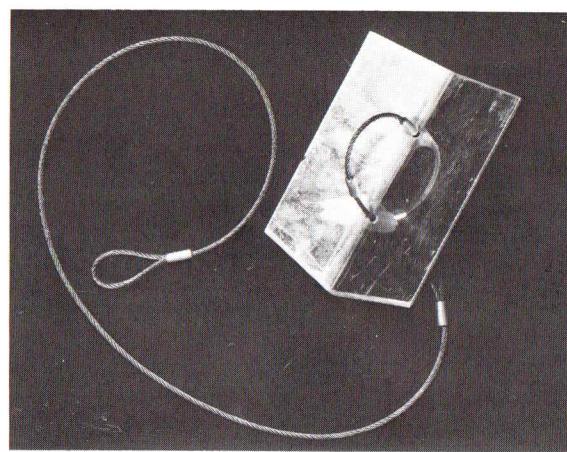


**SALEWA HOLLOW TUBE ICE SCREW.** A machine-tooled ice screw designed for maximum strength and holding power.

HS905 ..... 21 cm ..... 3 oz. .... \$ 4.25

HS906 ..... 25 cm ..... 4 oz. .... \$ 4.50

HS907 ..... 35 cm ..... 6 oz. .... \$ 4.75



**SNOW ANCHOR.** Angled aluminum plate with steel cable loop. Comes with directions for use.

HR100 ..... wt. 14 oz. .... \$ 5.00

#### NYLON TUBULAR SLING MATERIAL.

TN001 ..... 1" width ... 4100 test .... per ft. \$ .10

TN012 ..... 5/8" width ... 1850 test .... per ft. \$ .05

TN096 ..... 9/16" width ... 1000 test .... per ft. \$ .04

**NYLON CLIMBING SLINGS.** Loops made from 1" width tubular nylon, strongly stitched with nylon thread. Test 4100 lbs.

M105/44 ..... 44" circle ..... wt. 2 oz. .... \$ 1.25

M105/48 ..... 48" circle ..... wt. 2-1/8 oz. .... \$ 1.35

M105/51 ..... 51" circle ..... wt. 2½ oz. .... \$ 1.65

M105/96 ..... 96" circle ..... wt. 4 oz. .... \$ 1.75

**DIRECT AID SLINGS.** Two 6-foot ladders of 1" heavy-duty nylon webbing. Each has four strongly stitched loops, reinforced and stiffened at bottom to provide steps.

M113 ..... wt. 14 oz. .... per pair \$ 9.50

**ROBBINS BELAY SEAT.** A continuous sling of 1" nylon webbing. Seat is strong Ripstop nylon.

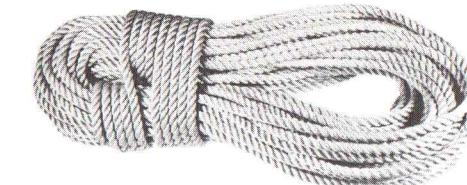
M112 ..... wt. 2 oz. .... \$ 4.50

**ROBBINS BIVOUAC HAMMOCK.** This type of hammock is well established for use on extended climbs on the vertical walls of Yosemite. 1" nylon web and Ripstop nylon. Measures 33" x 62".

M114 ..... wt. 7 oz. .... \$12.00

**FORREST MOUNTAINEERING HAMMOCK.** Ripstop nylon, edged and suspended from nylon straps. Surprisingly comfortable with single point suspension.

M115 ..... wt. 16 oz. .... \$30.00



**PLYMOUTH GOLDLINE CLIMBING ROPE.** Gold-colored nylon fiber woven into 3-strand "hard lay" especially for mountaineering use. 7/16" diameter recommended for continuous climbing. 3/8" diameter satisfactory for moderate climbing and most belaying requirements on ice or snow.

CG712 ..... 7/16" x 120' ... 5550 test ... 7-1/8 lbs. .... \$26.50

CG715 ..... 7/16" x 150' ... 5550 test ... 8¾ lbs. .... \$33.00

CG312 ..... 3/8" x 120' ... 4000 test ... 4-1/8 lbs. .... \$19.75

CG315 ..... 3/8" x 150' ... 4000 test ... 5½ lbs. .... \$24.50

CG716 ..... 7/16" bulk ..... per ft. \$ .24

CG038 ..... 3/8" bulk ..... per ft. \$ .17

CG014 ..... 1/4" bulk ..... 1950 test ... per ft. \$ .10



**EDELRID ROPE.** Perlon. Kernmantle construction. Continuous filaments provide great strength with moderate flexibility. High elasticity for shock absorption. Does not twist or spin. Remains flexible when wet. Colors: blue or red.

CP101 ..... 11 mm x 150' ... 4800 test ... 7 lbs. .... \$42.00

CP102 ..... 11 mm x 165' ... 4800 test ... 7 lbs. 12 oz. .... \$45.00

CP111 ..... 9 mm x 120' ... 3200 test ... 4 lbs. 2 oz. .... \$25.00

CP112 ..... 9 mm x 150' ... 3200 test ... 5 lbs. 2 oz. .... \$33.00

CP120 ..... 7 mm bulk ... 2200 test ... Red only ... per ft. \$ .15



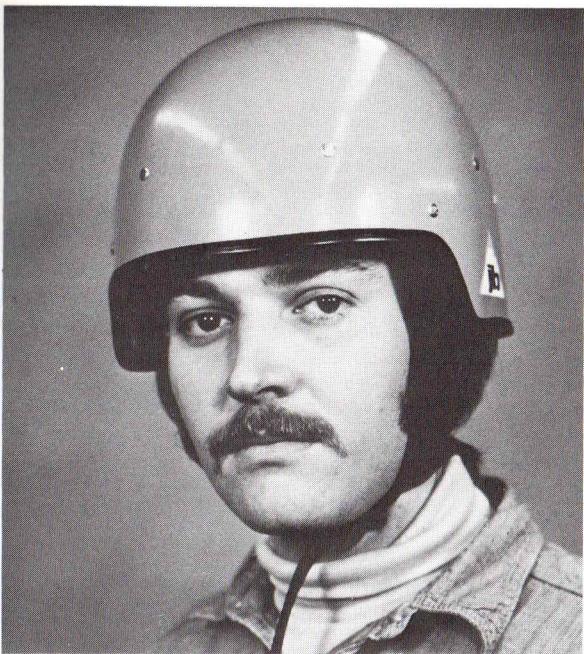
**EDELWEISS ROPE.** Kernmantle construction combining strength, elasticity and flexibility. Will not kink. Stiffer mantle provides great dynamic strength and resists abrasion. Colors: blue or red.

CP501 ..... 11 mm x 150' ... 5500 test ... 8 lbs. 4 oz. .... \$42.00

CP502 ..... 11 mm x 165' ... 5500 test ... 9 lbs. .... \$50.00

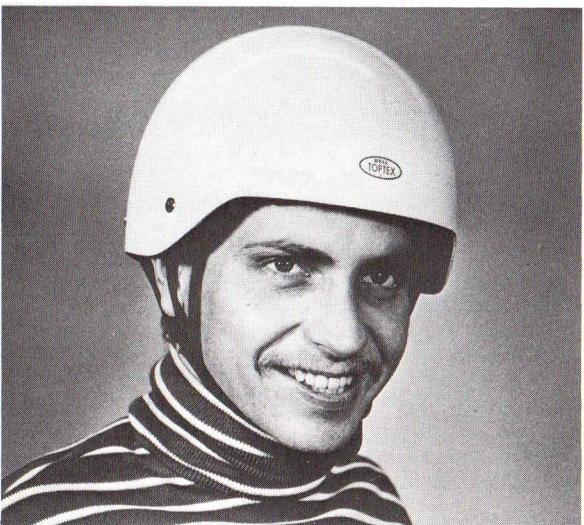
CP511 ..... 9 mm x 120' ... 3000 test ... 4 lbs. 7 oz. .... \$30.00

CP512 ..... 9 mm x 150' ... 3000 test ... 5 lbs. 9 oz. .... \$35.00

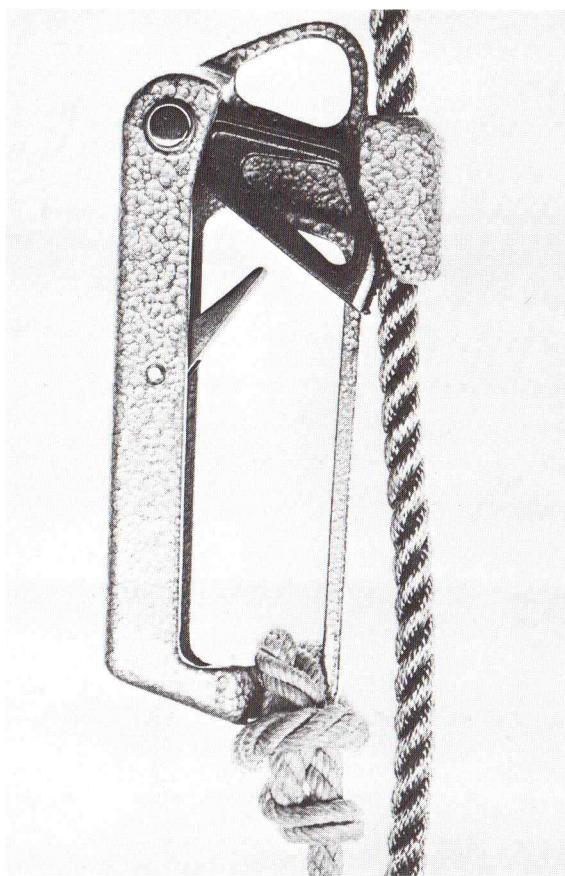


**JOE BROWN HELMET.** Designed and manufactured by Joe Brown. Meets British Mountaineering Council requirements for impact and shock absorbency. Inner liner is removable to provide good warm weather ventilation. Adjustable design provides a good fit. Small—6½ to 6-7/8, medium—7 to 7½, large—7-3/8 to 7¾. Colors: red or blue.

HT101 ..... ave. wt. 1 lb. 14 oz. ..... \$17.00



**MALIBU.** Standard-gauge fiberglass shell with thickly padded headband. Finish is white with metal flake. Sizes: 6¾ to 7¾. HT103 ..... ave. wt. 1½ lbs. ..... \$15.00



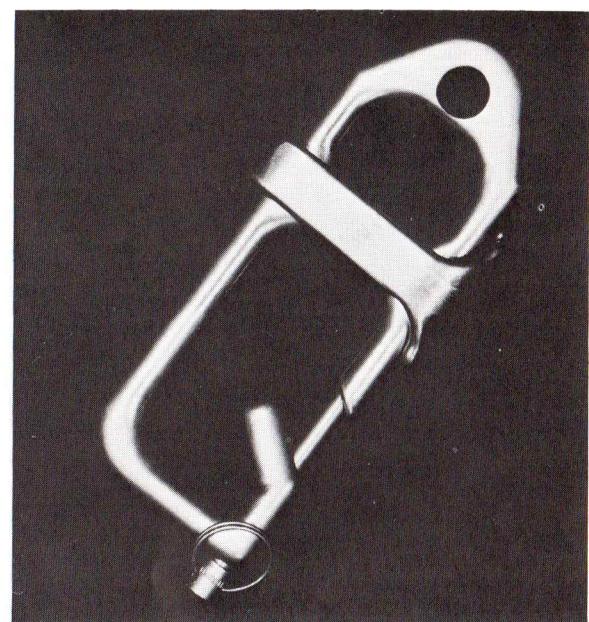
**JUMAR ASCENDERS.** Swiss-made device for ascending ropes. Replaces the use of Prusik knots. Strongly constructed of cast aluminum alloy. Can be used on ropes ¼" to ½" diameter. Slings included. Used in pairs.

HE103 ..... wt. 14 oz./pr. ..... pair \$33.50  
right or left ..... each \$17.00



**SAFETY GLASSES.** An ideal glass for skiers and climbers. Tough plastic frames with perforated side shields. Green lenses are mounted to prevent glass being driven toward eyes if blow is received.

ME102 ..... wt. 2 oz. ..... \$ 5.25

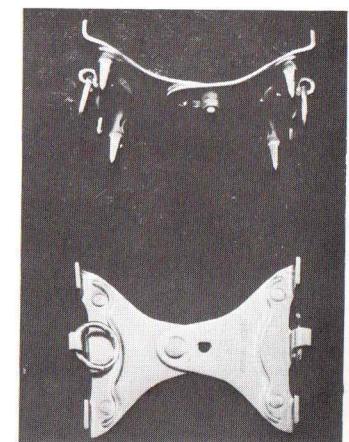
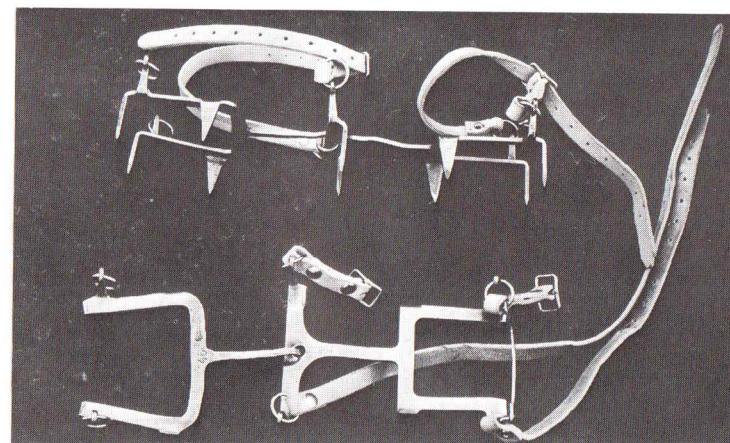
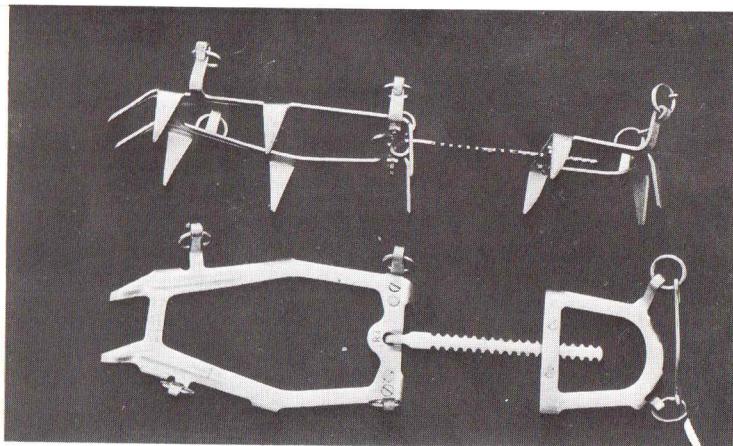
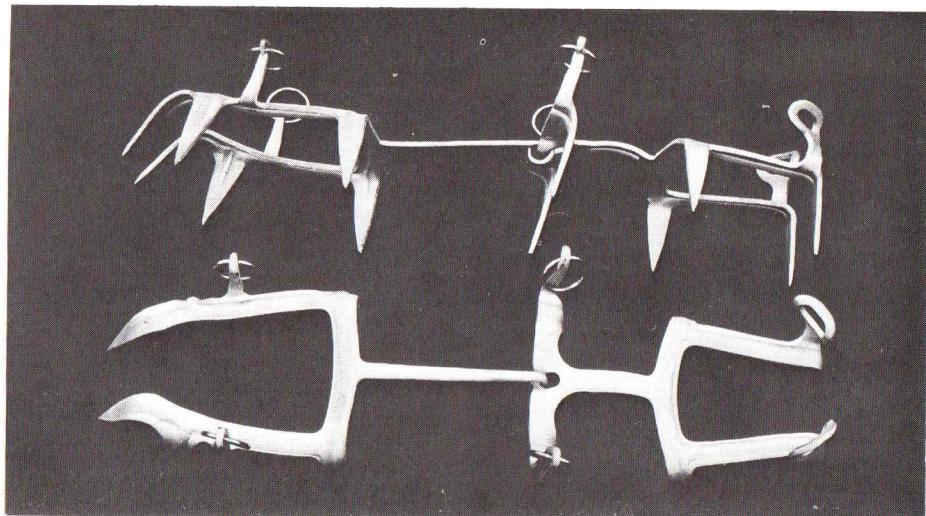
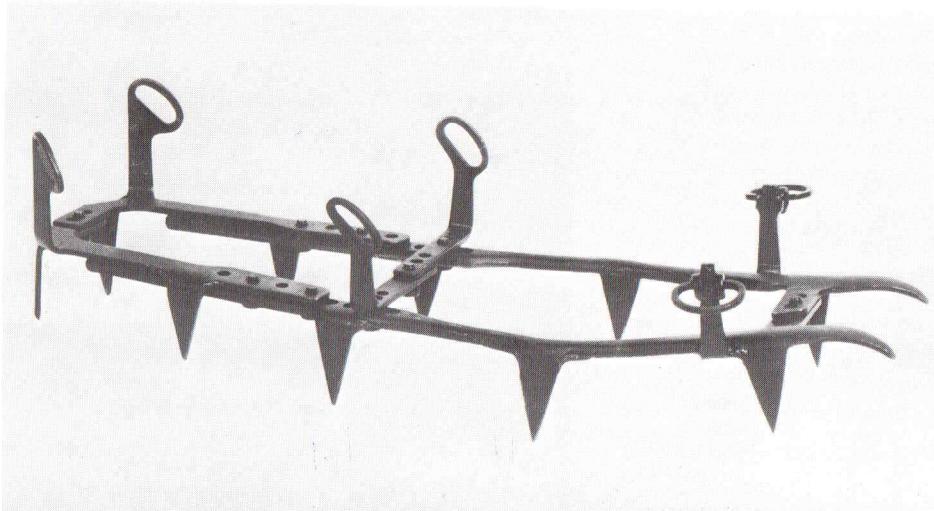


**HOBBS RESCUE HOOK.** Heavy-duty descent control device. Drop-forged of aluminum alloy. Ideally suited for rescue work as descent can be stopped at will with both hands free. HE105 ..... wt. 15 oz. ..... \$25.00



**SWAMI BELT.** Allows easy tie-in for general climbing. Offers good support to small of back. Particularly useful for tension climbing. Strong nylon web construction. Hammer holder and rope loop.

M101 ..... wt. 8 oz. ..... \$ 5.95



**CHOUINARD TWELVE POINT CRAMPONS.** Fully adjustable in length and width to provide perfect fit on boot sizes 5 to 14. Rigid design for unexcelled point penetration on technical ice. Points are sized to work equally well on snow or ice. Alloy steel for low-temperature strength. Recommended for highly technical climbs only. Neoprene straps included.  
**MC700** ..... wt. 31 oz. ..... \$40.00

**SIMOND EVEREST TWELVE POINT CRAMPONS.** Long points are superior for most snow conditions; broad toe points provide better grip on steep, technical walls. Send outline of boot sole when ordering.  
**MC512** ..... ave. wt. 28 oz. ..... \$30.00

**SALEWA ADJUSTABLE TWELVE POINT CRAMPONS.** Three sizes to fit any boot, sizes 6 to 13, any width. An exceptionally strong crampoon for the most difficult of ice climbing. Send boot size.  
**MC612** ..... wt. 22 oz. ..... \$19.00

**GRIVEL TEN POINT CRAMPONS.** Non-technical general use crampons. Strong steel alloy. Send outline of boot sole when ordering. Straps not included.  
**MC401** ..... ave. wt. 22 oz. ..... \$20.00

**STUBAI FOUR POINT INSTEP CRAMPONS.** Recommended for limited use where short stretches of ice must be crossed. Adjustable width. Hemp straps included.  
**MC204** ..... wt. 11 oz. ..... \$ 4.75

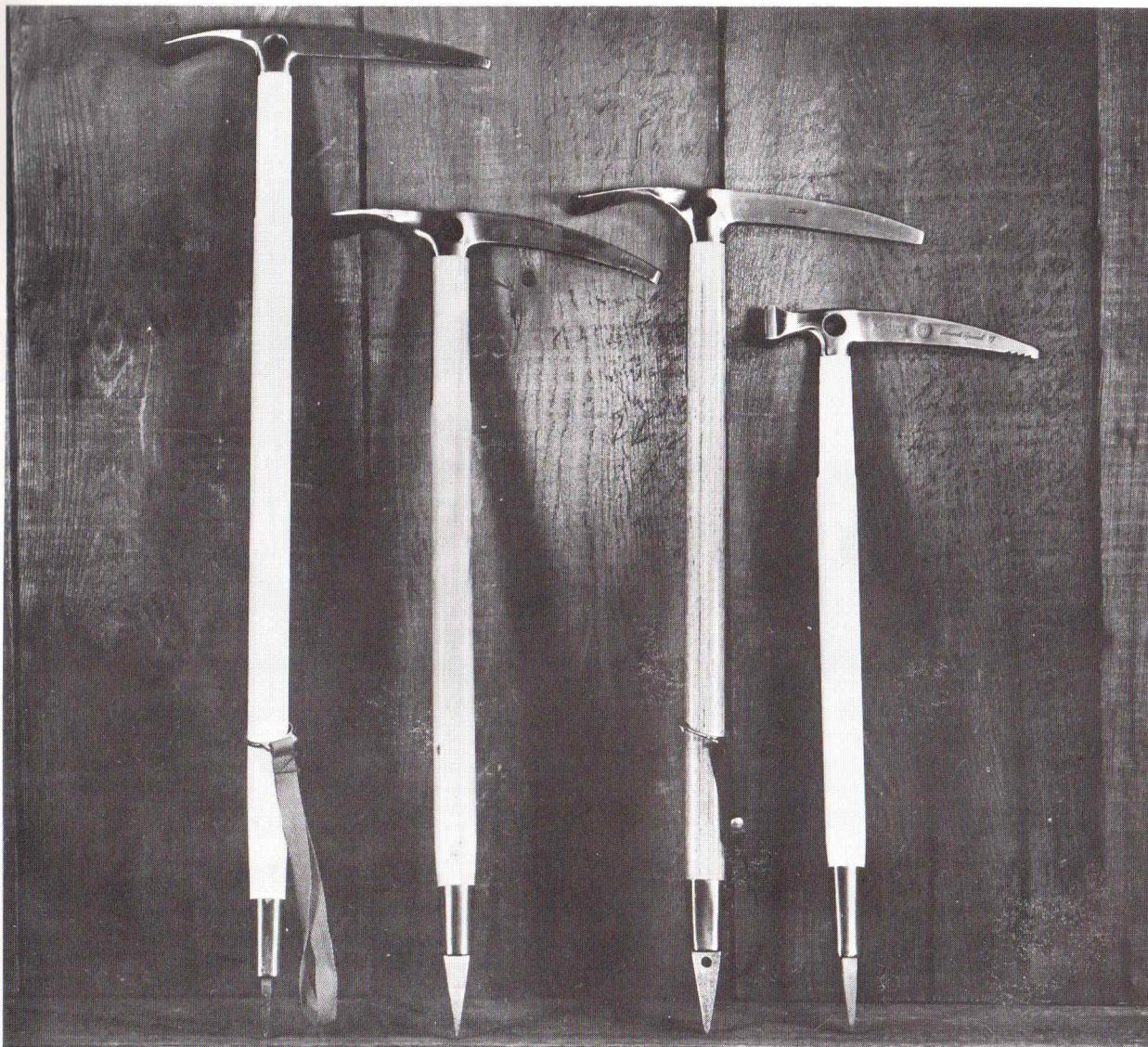
**CRAMPON SPIKE PROTECTOR.** Unit-molded rubber will stretch to cover points of various sized crampons. 12 points.  
**MC105** ..... wt. 2½ oz. ..... \$ 2.00

**LONGTHONG CRAMPON STRAPS.** Strong nylon straps with quick-release buckle. 70" long.  
**MC101** ..... wt. 3 oz. ..... pr. \$ 3.00

**GRIVEL-TYPE CRAMPON STRAPS.** Strong nylon webbing with quick-release buckles. Four pieces, each 41" long.  
**MC102** ..... wt. 4½ oz. ..... pr. \$ 3.50

**BECK CRAMPON STRAPS.** Tough neoprene/nylon straps will not absorb water or collect ice and will not stiffen. They grip the boot tightly and will not stretch. Four straps, easily removed for use with other crampons.  
**MC103** ..... wt. 8 oz. ..... \$ 5.75

**CHOUINARD CRAMPON STRAPS.** Four two-piece neoprene straps. Permanently attached to crampoon with rivets.  
**MC104** ..... wt. 7 oz. ..... \$ 5.50



**NANGA PARBAT ICE AXE.** Lightweight. Thin bladed pick with deeply serrated tip grips well in ice. Short adze provides greater leverage for cutting ice. Carabiner hole. Ash handle. Glide ring with strap. Lengths: 75 cm to 95 cm.

MA208 ..... ave. wt. 28 oz. ..... \$24.00

**CHOUINARD ICE AXE.** Forged of nickel-steel. Straight adze. Pick has exaggerated droop with deep notches near tip. Carabiner hole. Handle pre-soaked in linseed oil. 55 cm ash handle—for use on steep ice when not much snow climbing is expected.

MA206 ..... wt. 28 oz. ..... \$32.50

70 cm hickory handle—for all serious ice and snow climbs.

MA207 ..... wt. 32 oz. ..... \$34.50

**GRIVEL ICE AXE.** Laminated handle offers exceptional strength. Superbly forged head. Carabiner hole and uniquely perforated spike. Concave blade. Glide ring with strap. Lengths: 70 cm to 95 cm.

MA205 ..... ave. wt. 30 oz. ..... \$32.00

**SIMOND ICE HAMMER.** Useful on mixed rock and ice climbs. Wooden handle. Serrated pick. Carabiner hole. Length: 60 cm.

MA201 ..... wt. 25 oz. ..... \$32.00



**RUBBER COVER FOR ICE AXE HEAD.** Molded in one piece. Stretches to fit axe head.

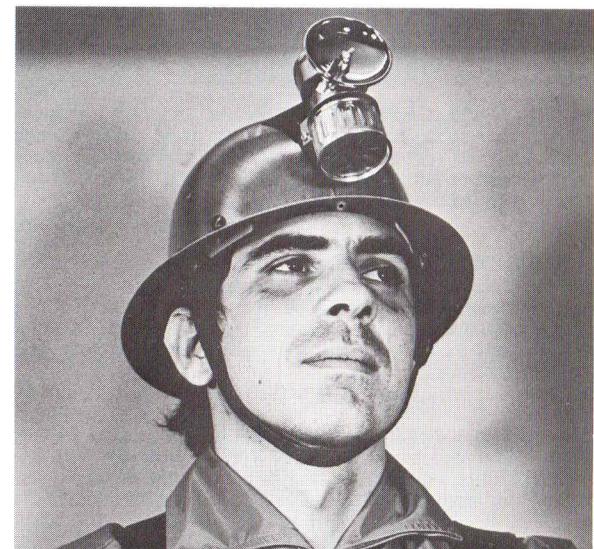
MA221 ..... wt. 1½ oz. ..... \$ 1.45

**ICE AXE RUBBER TIP PROTECTOR.** Hard rubber tip, serrated at bottom. Tapered hole for ice axe tip.

MA222 ..... wt. ¼ oz. ..... \$ .50

**ICE AXE REPLACEMENT GLIDE RING AND STRAP.** 1" nylon web strap with aluminum glide ring.

MA225 ..... wt. ½ oz. ..... \$ 1.75



**CAVING HELMET.** Light and tough fibreglass helmet with lamp bracket. Manufactured by Mine Safety Appliances. Good protection with a minimum of weight. Cushioned headband adjusts to fit wearer. Adjustable chin strap.

HT104 ..... wt. 17 oz. ..... \$ 8.25

**CARBIDE LAMP.** Small miner's lamp. Burns carbide gas. Stands 3½" high; ¾" flat hook for attaching to cave helmet.

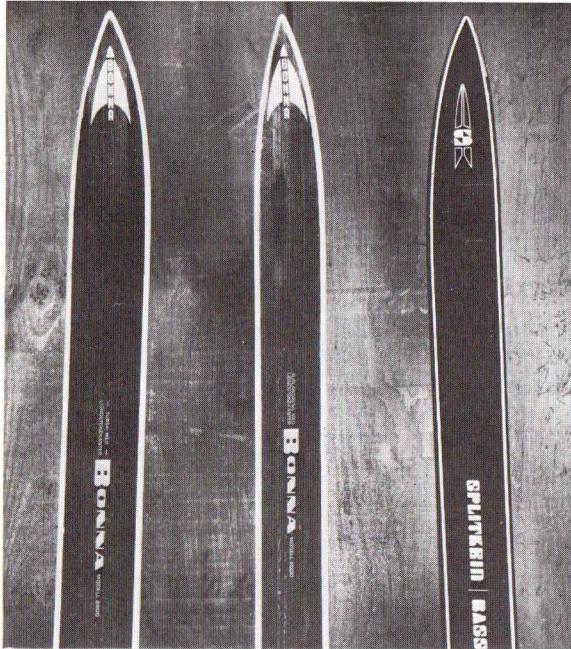
E212 ..... 2½" reflector ..... wt. 7 oz. ..... \$ 7.00

E213 ..... 4" reflector ..... wt. 7 oz. ..... \$ 7.00

**CLEANING AND REPAIR KIT.**

E214 ..... \$ .95

**Note:** Carbide fuel not mailable, but can be obtained locally.



**BONNA 2400 GENERAL TOURING SKI.** An excellent general touring ski for use in rugged territory, strong enough for deep snow yet light in weight. Made of laminated hickory with lignostone edges. Width: 60 mm, length: 180 to 220 cm. Recommended binding: Tempo.

K103 ..... ave. wt. 5 lbs. 14 oz. .... \$37.50

**BONNA 2000 CROSS-COUNTRY SKI.** A general cross-country ski for use in moderate terrain and on trails. Not recommended for breaking trail in crust or very deep snow. Hickory laminations and lignostone edges. Width: 50 mm, length: 180 to 220 cm. Recommended bindings: Rottefella or Eie with boot.

K104 ..... ave. wt. 4 lbs. 13 oz. .... \$37.50

**SPLITKEIN LIGHT TOURING SKI.** A Norwegian touring ski of laminated birch. Excellent for the beginner and as a general utility ski. Not recommended for use in rugged terrain or on icy, crusty slopes. Width: 55 mm, length: 180 to 215 cm. Recommended binding: Rottefella, Eie with boot, or Tempo.

K105 ..... ave. wt. 4 lbs. .... \$25.00

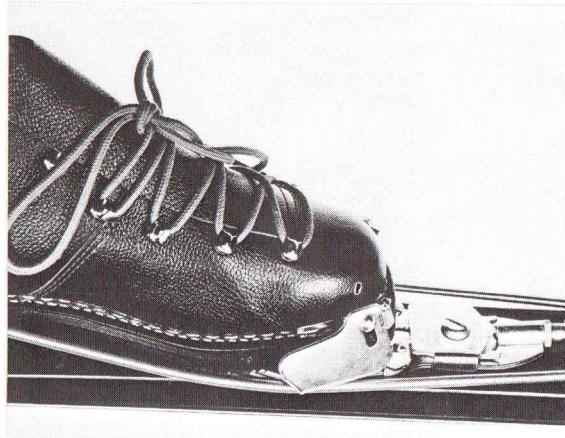
**BAMBOO SKI TOURING POLES.** Minimum weight; strong and springy. Curved tip for easy release from snow. 4" dia. baskets attached with cotter pins for easy changing. Leather hand straps. Lengths: 130 to 160 cm.

K110 ..... ave. wt. 18 oz./pr. .... \$ 7.00

**SKI TOURING BASKETS.** Large diameter baskets for positive placement in unpacked snow.

K111 ..... wt. 4 oz./pr. .... \$ 2.00

**Note:** Skis and poles are oversize for Parcel Post and will be shipped REA Express collect.



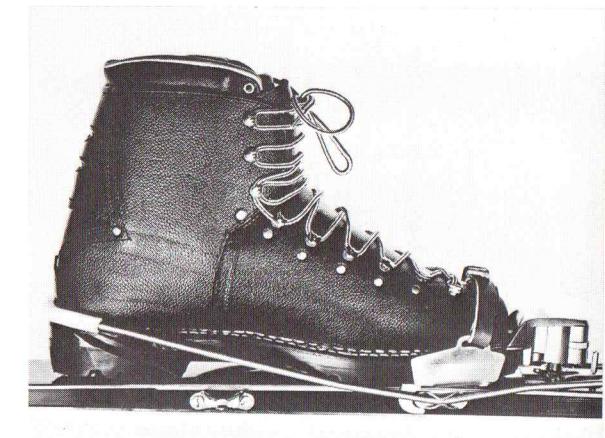
**RAMY SECURUS BINDING.** Combines the desirable characteristics of toe-irons or a touring attachment with a safety toe release. Recommended for mounting on mountain and downhill skis. Fully adjustable tension setting. Comes with front throw cable. Not for use with cross-country or general touring skis.

K202 ..... ave. wt. 31 oz. .... \$25.00



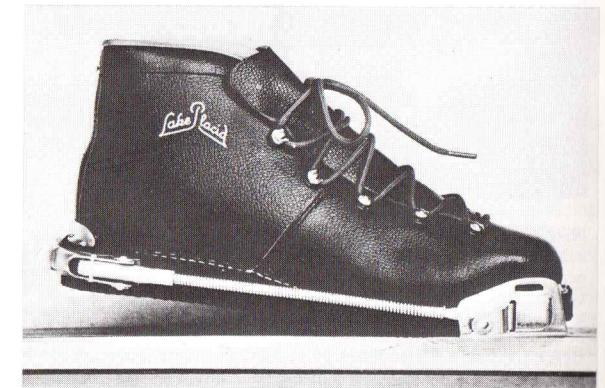
**SILVRETTA BINDING.** A heavy-duty touring binding. Excellent for ski mountaineering. Easily converts for downhill skiing with double cable hooks. Pivots forward to a 90-degree maximum angle. The binding is designed to allow use of mountaineering boots on skis. Ideal for mountaineering and heavy touring skis.

K204 ..... wt. 25 oz. .... \$18.50



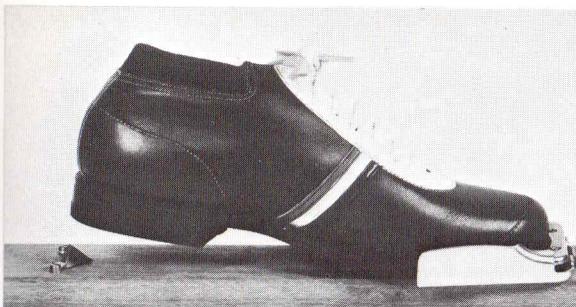
**MARKER STECKBACKEN TOURING ATTACHMENT.** Snaps on and off with ease. A quick adapter for converting downhill skis for touring. Fully adjustable; fits any boot. Use only in combination with Marker toe and a front throw cable.

K195 ..... wt. 10 oz. .... \$ 7.25



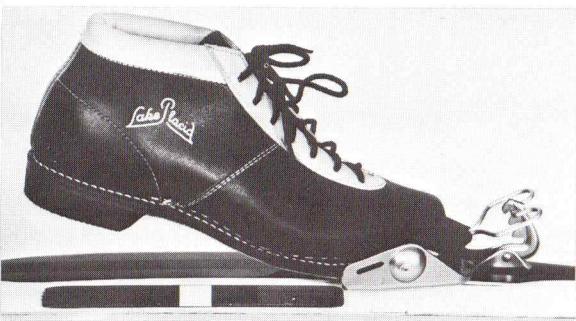
**TEMPO TOURING BINDING.** A simple and sturdy Norwegian binding. For use on regular cross-country and general touring skis. Fits all skis 55 mm wide and up. Two sizes: women's fits up to size 7 1/2, men's up to size 13.

K201 ..... wt. 25 oz. .... \$ 8.50



**EIE BINDING.** A single step-in-and-lock binding combined with a heel stabilizer to improve lateral stability. The binding is good for use on cross-country and light touring skis only. May be used only in combination with light touring Eie boot. Standard for men; junior for women.

K207 ..... wt. 7 oz. ..... \$ 8.75



**ROTTTEFELLA X-C BINDING.** Norse-made standard cross-country binding (to be used only with cross-country shoes and racing or cross-country skis). Widths small, medium, wide. Send boot tracings when ordering. Sole protectors included.

K203 ..... ave. wt. 6 oz. ..... \$ 7.50

**BONN SOLE PROTECTORS.** For use with X-C racing bindings only.

K300 ..... set of 10 \$ .50

**POP-UPS.** Prevent heel from freezing to ski.

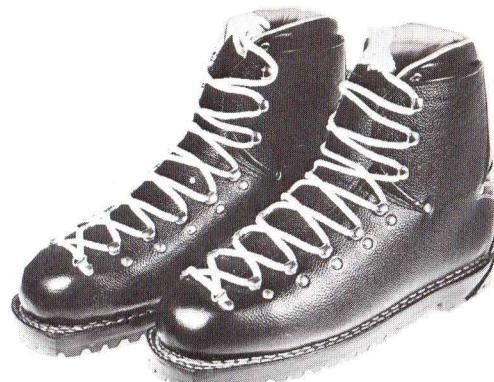
K301 ..... wt. 2 oz. ..... pr. \$ .85

**HARSCHISEN.** Useful on the more difficult ski-mountaineering ascents for conditions of extreme windpack and ice.

K125 ..... wt. 5 oz. ..... \$ 4.50

**COMBINATION TOOL.** 4-inch adjustable wrench, slip joint wire cutting plier and screwdriver, combined. Chrome plated.

J600 ..... wt. 5 oz. ..... \$ 4.25



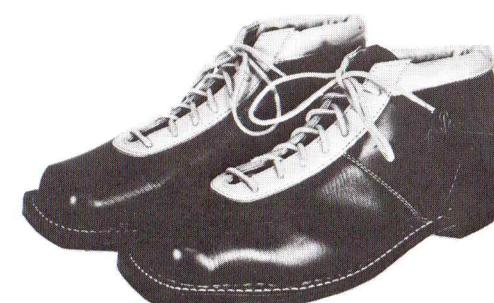
**MINARET SKI MOUNTAINEERING BOOT.** An imported combination boot that is supple and comfortable for touring yet readily serves for downhill skiing. Made of pebble-grained black leather with shallow-tread Vibram lug soles for ski-climbing. Inner speed-lacing. Hinged heel allows forward flexibility. For men and women. Sizes 6 to 14; widths medium and wide.

B202 ..... ave. wt. 5 lbs. ..... \$35.00



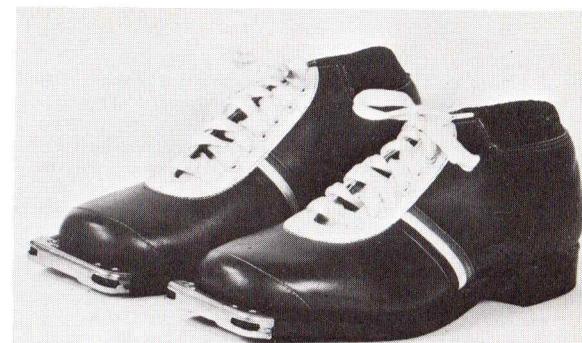
**TOURING BOOT.** Light and supple; designed for touring. Rubber sole, pebble-grained black leather uppers, metal reinforced at heel counter and toe. Double tongue construction and padded top seal against snow. Fits any cross-country or touring binding. Sizes 6 to 11½; medium width.

B208 ..... ave. wt. 3 lbs. ..... \$27.50



**X-C RACING SHOE.** Light and flexible. Black leather uppers with padded top. Leather sole and soft rubber heel. Fits cross-country racing bindings. Sizes 7 to 11½; medium width.

B207 ..... ave. wt. 2 lbs. ..... \$23.00



**EIE LIGHT TOURING SHOE.** Designed for use only with Eie binding. Burgundy leather uppers with red, white and black trim. Rubber composition sole. Elastic leather snow collar. Comes complete with toe plate and heel notched for Eie binding. Sizes: 7 to 13.

B205 ..... ave. wt. 2 lbs. 7 oz. ..... \$26.75

Boot ordering instructions, page 37.

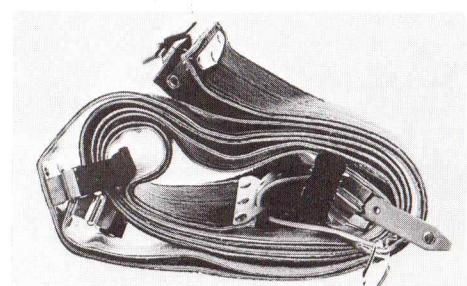
#### RECOMMENDED BOOT/BINDING/SKI COMBINATIONS

**MINARET SKI MOUNTAINEERING BOOT.** May be used with either the Ramy Securus, Silvretta ski mountaineering, or the Steckbacken touring attachment on downhill or heavy mountaineering skis.

**TOURING BOOT.** May be used with the Tempo touring or other similar binding on regular cross-country and general touring skis.

**X-C RACING SHOE.** May be used only with Rottefella or similar racing binding on cross-country skis.

**EIE LIGHT TOURING SHOE.** May only be used with Eie step binding on light touring or cross-country skis.



**VINERSA CLIMBERS.** Quality heavy plush with canvas backing. Clip-on strap allows skin to remain tight and straight on ski, eliminates strap wear over edge of ski; avoids putting holes in ski. Can be put on and taken off with ease. State ski length when ordering.

K110 ..... ave. wt. 23 oz./pr. ..... \$20.00

## PREPARATION OF SKIS FOR WAXING.

The factory finish on new cross-country and touring skis is not suitable as a base for waxing. The skis should be scraped and sanded lightly to remove the finish and then Grundvalla or pine tar applied. To apply the Grundvalla base, you should lay the skis on an elevated bench bottoms up in a position that will prevent sliding as you rub. Spread the Grundvalla thinly over the entire base, then pass a lighted torch over the bottoms to burn the Grundvalla into the wood. Heat until the Grundvalla boils and then wipe away the excess with a cloth. Be careful not to char the ski while heating. A good base job should be dry and smooth. If the Grundvalla is applied in a thick coat and not wiped, it will work its way up through the wax when it is applied.

**SWIX FOUNDATION TAR.** To be heated into the ski with blow torch.

K133 ..... \$ .70

**SWIX ORANGE BASE WAX.** A binder wax for hard and crust conditions.

K132 ..... \$ 1.00

## WAXES.

K131/r—Red; new wet and settled snow ..... \$ .75  
K131/b—Blue; fine grain and fresh snow from 26° to 23° F. .... \$ .75

K131/v—Violet; new snow app 32° ..... \$ .75  
K131/g—Green; fresh and fine grain 14° to 32° ..... \$ .75

K131/lg—Light Green; new snow 17° F. and below ..... \$ .75

## KLISTER.

K130/r—Red; coarse grain old snow ..... \$ .80  
K130/b—Blue; ice and crusty snow ..... \$ .80

K130/v—Violet; coarse grain snow and crust 24° to 37° F. .... \$ .80

K130/y—Yellow; new wet snow ..... \$ .80

## WAXING CORK.

K137 ..... \$ 1.00

**HEATING IRON.** Used to heat the ski so wax may be properly applied.

K135 ..... \$ 4.50

## FUEL TABLETS FOR HEATING IRON.

K136 ..... package of 50 \$ .75

## SCRAPER FOR WAX.

K138 ..... \$ 1.30

**AVALANCHE CORD.** Red Perlon cord with directional marks at 2-meter intervals.

K500 ..... wt. 3 oz. ..... \$ 2.00

**ALUMINUM SNOW SHOVEL.** An invaluable accessory for winter mountaineering. Detachable handle. Ice axe can double as handle. Shovel size 8" x 18". 19" handle.

M209 ..... wt. 24 oz. ..... \$ 4.00



**SNOWTREADS.** Extra-light snowshoes made of tough, high-impact polypropylene resins developed to resist sub-zero temperatures. Heavy-duty ribs give rigidity and support. Snow and ice will not stick to Snowtreads and they require no special care. Nylon bindings with quick-release buckles are attached to a "walking action" hinge.

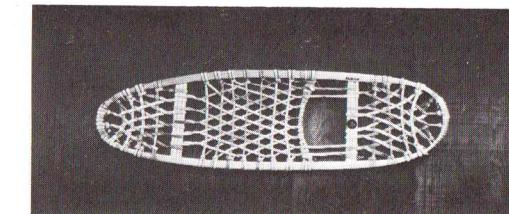
K123 ..... wt. 2 1/2 lbs./pr. ..... \$18.00



**NORSKI GOGGLES.** Extra large curved plastic lenses mounted in cushioned and ventilated frame. Interchangeable green and yellow lenses. Will fit over glasses. Adjustable elastic headband.

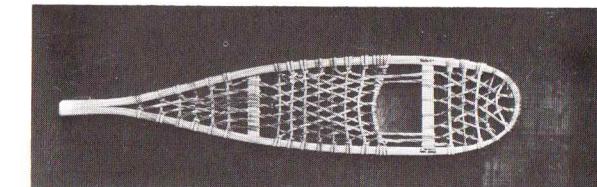
ME100 ..... wt. 2 oz. ..... \$ 4.50

**TUBBS SNOWSHOES.** Selected ash and varnished rawhide construction preferred by most veteran snowshoers.



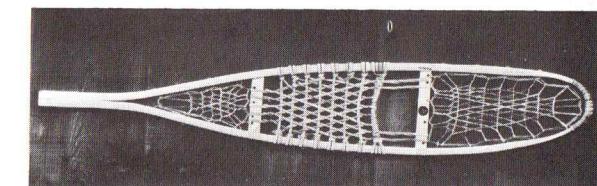
**GREEN MOUNTAIN BEARPAW.** 10" x 36". The most versatile design. Easy for the beginner and a favorite among professionals. Excellent maneuverability in brush or rough terrain. Supports up to 200 lbs.

K120 ..... wt. 4 lbs. 6 oz. ..... \$36.50



**CROSS COUNTRY.** 10" x 46". Same basic design as Green Mountain Bearpaw with the addition of a tail for reduced drag and increased stability. Supports up to 225 lbs.

K121 ..... wt. 5 lbs. 5 oz. ..... \$36.50



**ALASKA TRAPPER.** 10" x 56". A long narrow shoe with 10" tip at toe. Excellent trail shoe for deep, light powder. Supports up to 300 lbs.

K122 ..... wt. 5 lbs. 11 oz. ..... \$36.50

**LEATHER SNOWSHOE BINDINGS.** Type H. A good binding for general use. Features full instep strap for extra support.

K125 ..... wt. 12 oz. ..... \$ 6.00

**BECK "SPECIAL" SNOWSHOE BINDINGS.** Tough, riveted neoprene/nylon grips boot. Does not ice up or stiffen and will not stretch. Special toe section prevents toe of boot from slipping forward on steep descents.

K126 ..... wt. 14 oz. ..... \$11.25

**NOTE:** K121 and K122 Snowshoes are oversize for Parcel Post and will be shipped REA Express collect.

# LOGAN



**TRAILWISE LOGAN JACKET.** Our extremely popular intermediate-weight, all-around down-filled jacket. Good looking and practical. Hip length; raglan sleeves and concealed knit cuffs; filled with 8½ to 11 oz. of prime northern goose down. Down-insulated pockets. Optional down-filled hood available (see below). Snag-free nylon zipper with down-filled draft flap secured with snaps. The Logan jacket has the warmth of several layers of wool, with less weight and bulk—easily fits into a corner of your pack until needed. Tough Supernyl shell with sewn-through seams. Sizes: small, medium, large, x-large; fits both men and women. Colors: brick, chianti, royal blue, emerald, bronze. Includes stuffsack.

A111 ..... ave. wt. 23 oz. ..... \$36.50

**HOOD FOR LOGAN JACKET.** A down-filled hood which can be drawn tight around face. Snaps to Logan collar. 3/4 oz. down fill. (Same size and color.)

A111/h ..... ave. wt. 2½ oz. ..... \$ 6.00



**TRAILWISE EXPEDITION PARKA.** Two separate down-filled jackets. May be worn individually or combined for greatest warmth. Inner jacket functions as a down sweater providing ideal warmth for most active situations. For the utmost protection against bitter cold at high altitudes or for comfort during periods of inactivity in cold weather, simply add the down-filled outer shell with hood for the warmth and protection of an expedition parka. **Inner Jacket:** Made of orange Tenaya nylon with 7 oz. fill of northern goose down. Total weight of inner jacket is only one pound. Hand-warmer pockets are down insulated. Snap closure on front of jacket, concealed knit cuffs, elastic at lower edge, and down collar with velcro fastener keep out cold. **Outer Jacket:** Made of soft and lightweight orange Tenaya nylon on the inside and snag-resistant blue Supernyl on the outside. 9 oz. fill. Total weight of outer jacket is 1½ lb. Closure is with double-slider nylon zipper. Snaps at wrist. Down-filled hood with draw cord. Drawcord at bottom of parka. Nylon zippers provide access to inside patch pockets or to down-insulated pockets of inner jacket. Combined weight of both jackets is only 2½ lb. Color: blue and orange combination.

A108 ..... wt. 2½ lb. ..... \$82.00

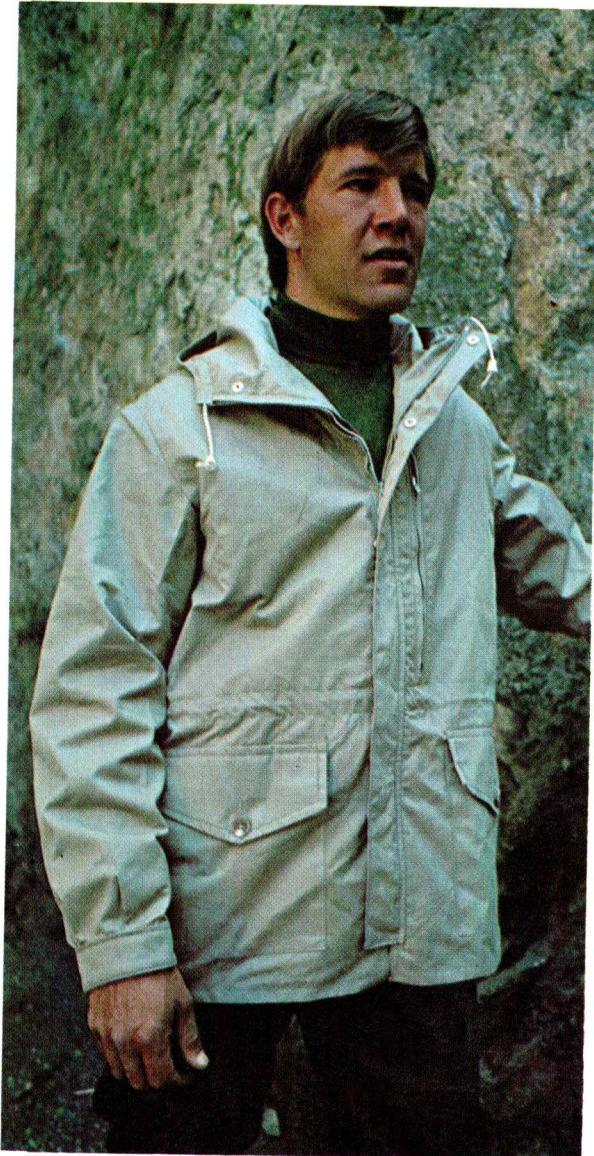
**TRAILWISE DOWN VEST.** Provides great warmth with less overheating and more freedom of movement than a down jacket. Perfect over a shirt, under a parka, or in your sleeping bag. Supernyl shell with sewn-through seams is 29" long and comes in blue, green. 5 to 6½ oz. down fill. 3" down-filled collar, nylon zipper. Sizes: small, medium, large. 4" x 6" stuffsack included.

A112 ..... ave. wt. 13 oz. ..... \$22.00

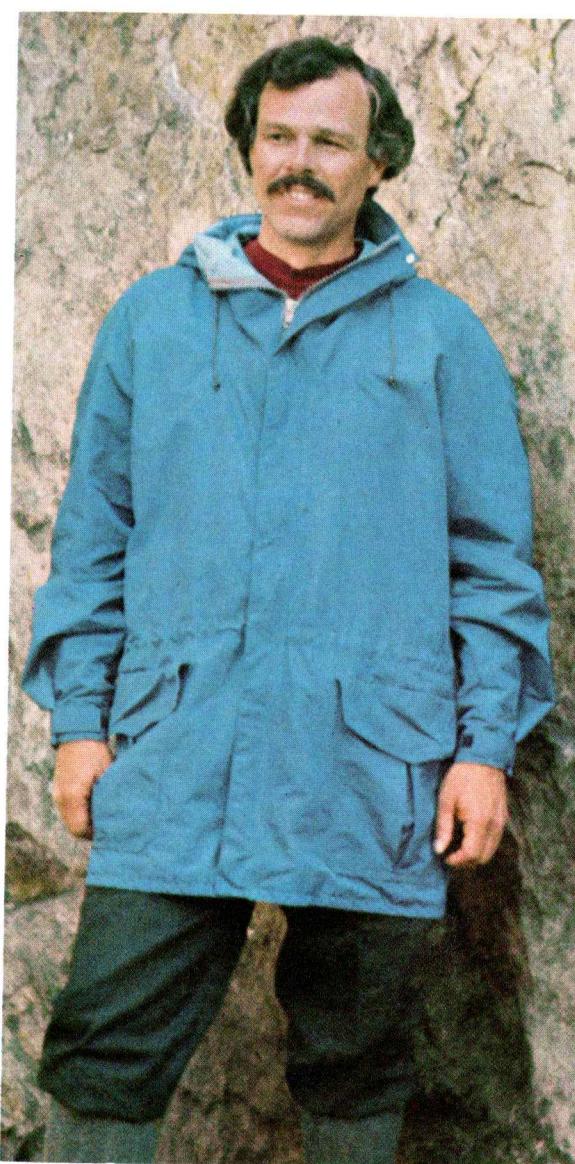


**TRAILWISE DOWN PANTS.** Designed for the mountaineer who needs great warmth with minimum weight and complete adaptability. Quilted shell of Supernyl filled with northern goose down. Full length nylon zippers allow pants to be opened for ventilation and provide access to pockets. Zippers are separating so that pants may easily be put on or removed without taking off boots. Elastic waist with snap and velcro fastening. Color: blue. Sizes: small, medium, large.

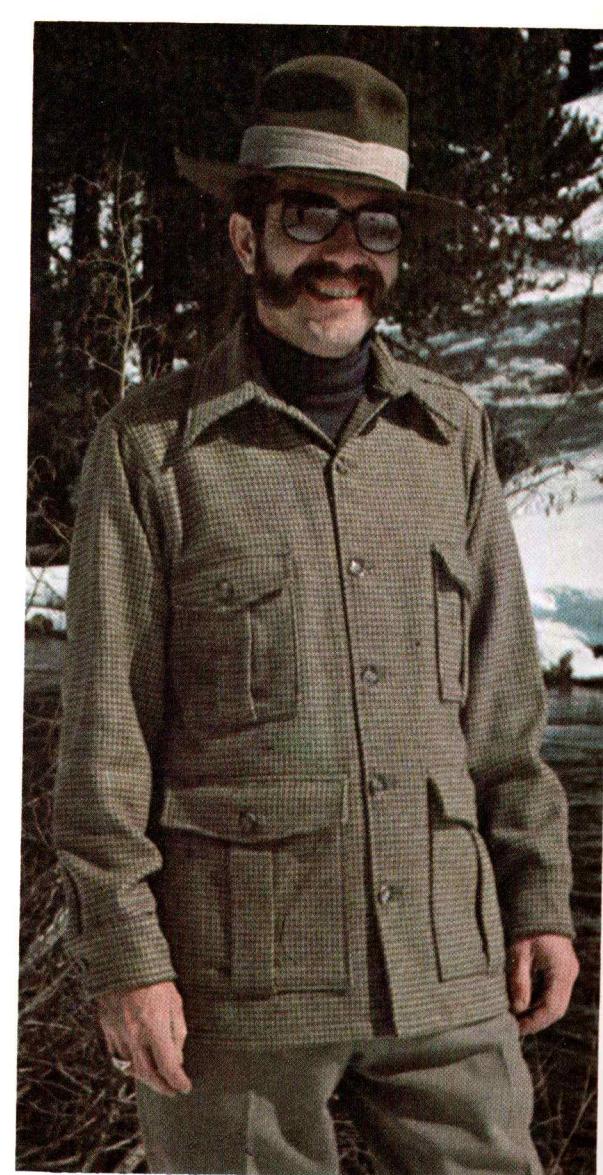
A110 ..... ave. wt. 18 oz. ..... \$32.00



**P & O VENTILE PARKA.** This impeccably fashioned mountaineer's parka is constructed from English Ventile cloth—probably the most successful waterproof but breathable material yet developed. Full-length zipper is covered by a weather flap with snap closures and extends above chin for maximum protection in severe storms. Drawcords at hood and waist. Double thickness of material throughout jacket except over shoulders where three layers are used. Adjustable button cuffs. Two large patch pockets are sealed with fold-over inner flaps and button-down outer flaps. Zippered outer map pocket. Button closure on inner breast pocket. Color: lichen green. Sizes: 34 to 46.  
**A360** ..... ave. wt. 41 oz. ..... \$41.00



**TRAILWISE MOUNTAIN PARKA.** A true double-shell expedition garment; outer shell is of 60-40 Cloth, a mixture of cotton and nylon; inner shell is British Ventile cotton. These materials combine to provide optimum water and wind repellency with breathability and warmth. Full cut; may be worn comfortably over bulky down garments or sweaters. Raglan sleeves. Full-length heavy-duty 2-way nylon zipper sealed against drafts by snap-fastened flap. Inner waist drawcord with single adjusting slider, drawcord on hood. Two large bellows pockets with double flap and velcro closure, two inner breast pockets. Velcro closures at wrist. Colors: blue or orange. Sizes: medium, large, x-large.  
**A105** ..... ave. wt. 30 oz. ..... \$57.00



**SAXONY BUSH COAT.** A warm, comfortable, and stylish 100% wool jacket for all-around wear. Four large inverted pleat pockets with button flaps. Shirt collar. Five-button front. Sizes: 36 to 46. Colors: grey check or beige and brown houndstooth.

**A350** ..... ave. wt. 28 oz. ..... \$23.00

**WOOLRICH SHIRTS.** Rugged, all-purpose outdoorsman's shirts of 85% reprocessed wool, 15% nylon, permanently mothproofed. Long tails, two breast pockets with button flaps. Sizes: small, medium, large. Colors: navy, brown.

A310 . . . ave. wt. 27 oz. . . . \$12.00

**ALASKA SHIRT.** Heavy-weight 100% wool shirt, permanently mothproofed. Warm, durable, and attractive, the Alaska is ideal for camping, hiking, and general sportswear. Long tails. Two breast pockets. A rugged shirt that will give years of service. Color: grey twill. Neck sizes: 15 to 18.

A309 . . . ave. wt. 26 oz. . . . \$15.00

**GERMAN CORDUROY KNICKERS.** Wide-wale Trenker corduroy knickers. Two zippered side pockets. Reinforced seat, rear pocket with buttoned flap (men's model only). Adjustable waistband and quick-release buckle cuff. Colors: loden, navy, brown.

Men's model: Even sizes 28 to 38.

A403 . . . ave. wt. 24 oz. . . . \$20.00

Ladies' model: Sizes 10 to 18.

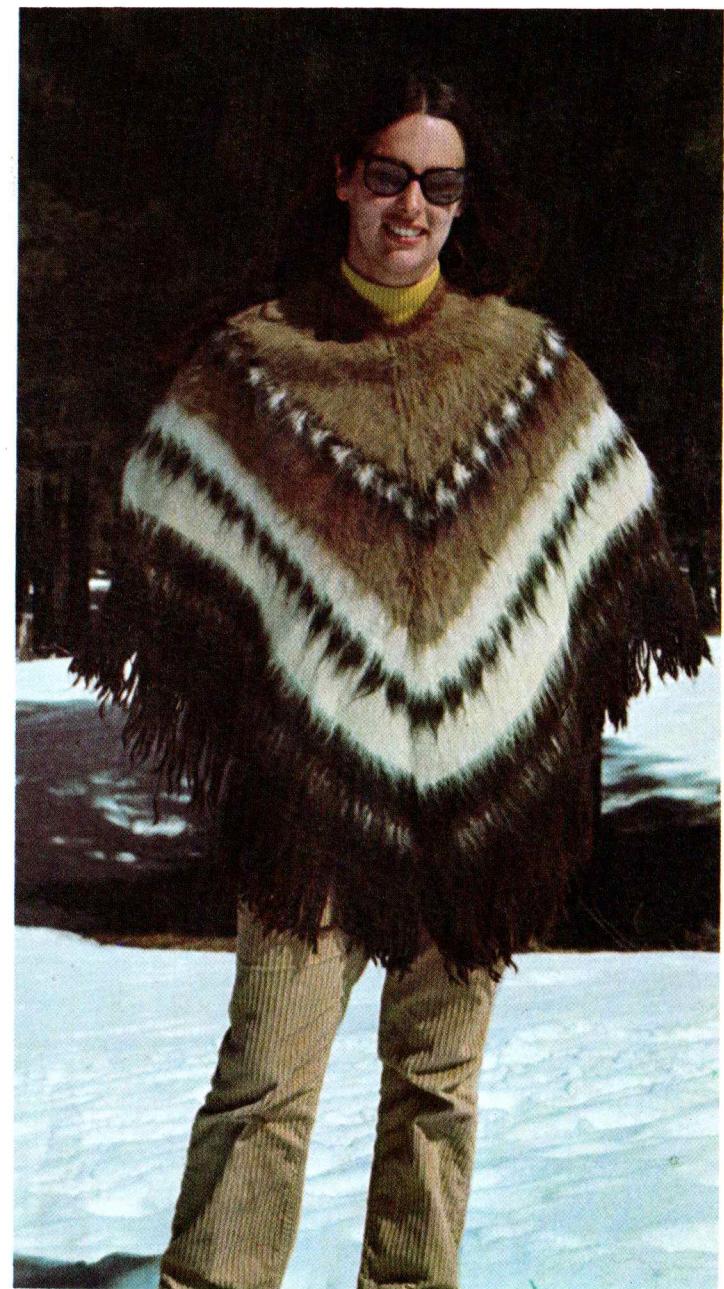
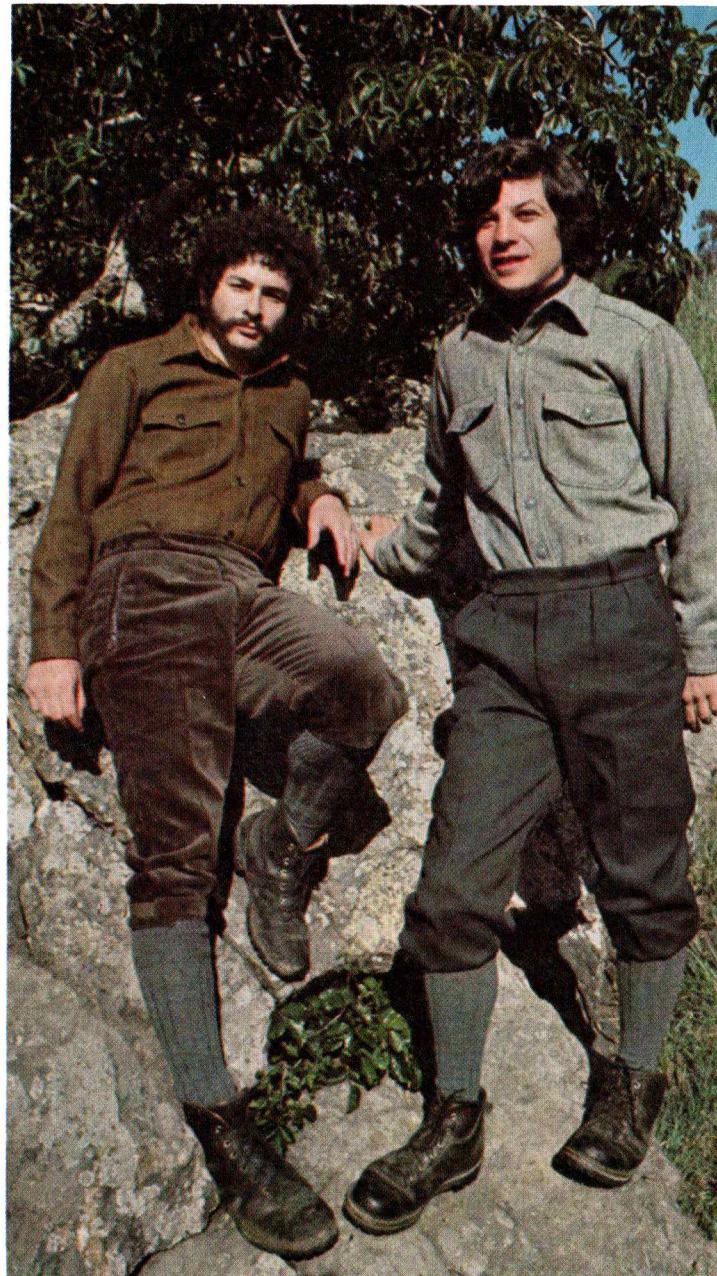
A405 . . . ave. wt. 22 oz. . . . \$18.00

**WHIPCORD KNICKERS.** Made in England of heavy-duty cotton whipcord, these climbing breeches feature a reinforced seat, belt loops, and durable elastic knee fasteners. Strong and abrasion-resistant without being too hot for summer rock climbing. Two side pockets, two deep rear pockets with velcro closure. Even sizes: 30 to 36. Color: dark grey.

A402 . . . ave. wt. 26 oz. . . . \$16.50

**BOLIVIAN ALPACA PONCHO.** Hand-spun and hand-knit of the softest undyed virgin alpaca yarns, each of these ponchos is unique in pattern and color. Luxurious and amazingly warm, they make an ideal gift. One size fits all. Predominant natural colors: warm browns or soft greys.

A358 . . . wt. 30 oz. . . . \$35.00





**IRISH FISHERMAN'S SWEATERS.** Traditional handknit pullover as worn by the rugged fishermen of the British Isles. Intricate pattern in white wool; crew neck. Sizes: men's and women's small, medium, large, x-large.

A320 . . . ave. wt. 20 oz. . . . \$41.50

**CARDIGAN.** Same fine handmade quality as pullover listed above. Sizes: women's only, small, medium, large.

A321 . . . ave. wt. 20 oz. . . . \$43.50

**IRISH FISHERMAN'S CAP.** Knitted wool watchcap to match the Fisherman's sweater. One size.

A322 . . . wt. 4 oz. . . . \$ 5.00

**TURTLENECK JERSEY.** A versatile and attractive jersey of 100% cotton with elasticized collar and cuffs. Excellent for skiing, hiking, and casual wear. Colors: cherry, navy, spruce, brown, powder. Sizes: men's S, M, L, XL; ladies' S, M, L.

A305 . . . ave. wt. 11 oz. . . . \$ 6.00

**SPORTIF SHORTS.** Exceptionally well-made. Army twill. Double-layer construction. Four front pockets (two with button flaps), two zippered hip pockets and one small inner pocket at waist. 2" belt loops. Color: tan or navy.

**Men's model:** Even waist sizes 30 to 38.

A418/m . . . ave. wt. 12 oz. . . . \$15.00

**Women's model:** Sizes 8 to 14.

A418/w . . . ave. wt. 10 oz. . . . \$15.00

**ENGLISH CORD SHORTS.** These traditional British hiking shorts will give years of service. Two side pockets, one hip pocket with buttoned flap, zipper fly, and belt loops. Color: brown. Sizes: 30 to 38.

A401 . . . ave. wt. 16 oz. . . . \$12.50

**PENEGAL SWEATER.** Imported from Austria, this stylish sweater is of extra-heavy wool for warmth, durability and comfort. Crew neck. Colors: dark blue and burgundy. Sizes: men's and women's small, medium, large, x-large.  
A325 . . . ave. wt. 30 oz. . . . \$25.00

**ENGLISH WOOL CLIMBING BREECHES.** Made of Derby tweed, these fine imported English knickers are rugged, warm, water-repellent, and long-wearing. Square-cut seat reinforcement reaches to knees; knee patches. Wide velcro closures at cuffs. Sturdy belt loops. Roomy pockets including hammer pocket. Color: grey tweed.  
Men's model: Even sizes 28 to 38.  
A410 . . . ave. wt. 36 oz. . . . \$24.50  
Ladies' model: Sizes 24 to 30.  
A411 . . . ave. wt. 28 oz. . . . \$24.50



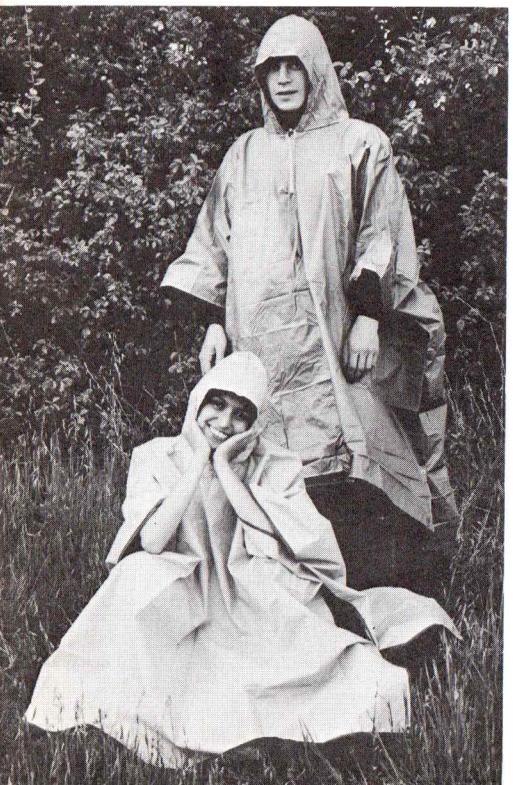
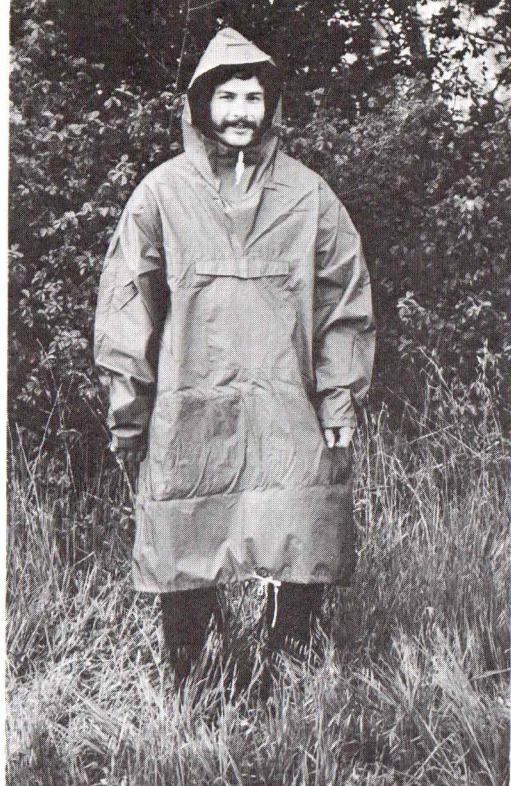
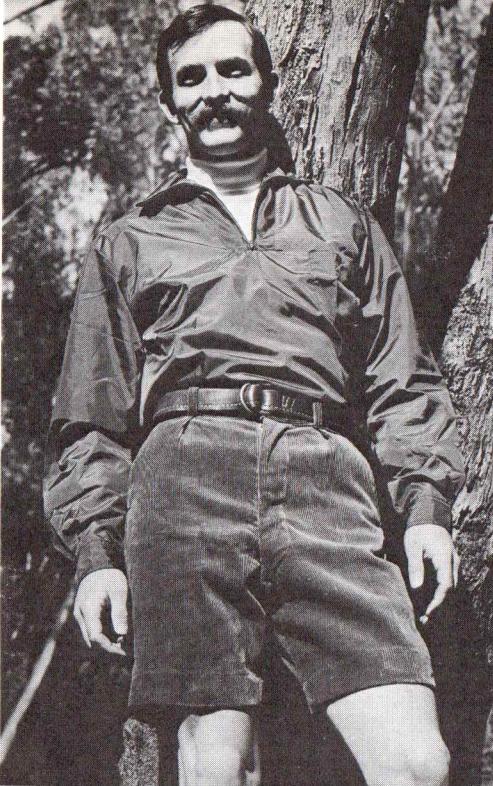
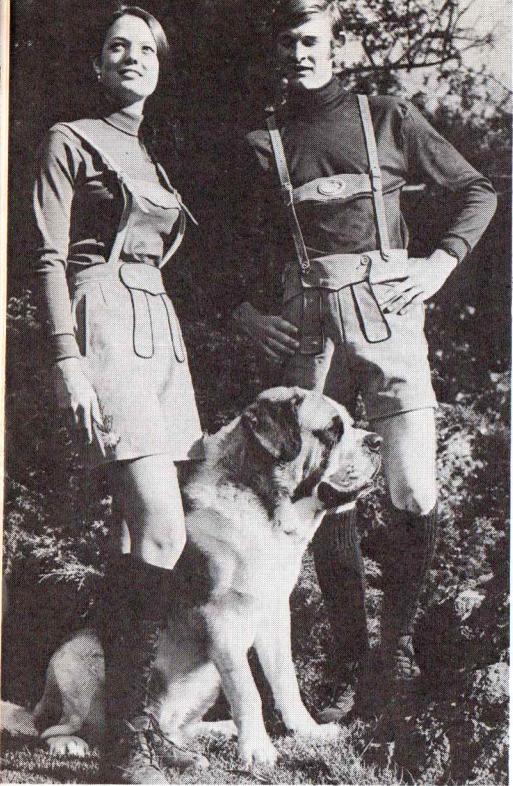
**CHAMOIS SHIRT.** Thick, double nap 100% cotton chamois cloth looks and feels like chamois leather. It is soft, durable, warm. Two large breast pockets with button flaps, long tails. Sizes: 15 to 18. Colors: camel, green, red.  
A311 . . . ave. wt. 22 oz. . . . \$10.00

**HIKING PANTS.** Made of water-resistant sateen, this pant is designed for rugged wear and comfort. Plenty of convenient pockets—four in the front (outer ones with flaps). Two hip pockets with buttoned flaps on men's model only. Color: British tan.  
Men's model: Even waist sizes 28 to 38.  
State inseam length when ordering.  
A420/m . . . ave. wt. 19 oz. . . . \$11.00

Women's model: Sizes 8 to 16.  
A420/w . . . ave. wt. 16 oz. . . . \$11.00

**HIKING SHORTS.** Same stylish and handy pocket arrangement as the hiking pants in trim Jamaica-length beige fine-wale corduroy shorts. Button-flap hip pockets on men's model only.  
Men's model: Even waist sizes 28 to 38.  
A421/m . . . ave. wt. 14 oz. . . . \$10.00  
Women's model: Sizes 8 to 18.  
A421/w . . . ave. wt. 12 oz. . . . \$10.00





**AUSTRIAN LEDERHOSEN.** Genuine Austrian import. Sturdy, rough-finish grey suede leather. Two front pockets and one hip pocket. Men's have classic button front; ladies' have side zipper. Children's—waist sizes 20 to 26.

A407/c . . . ave. wt. 24 oz. . . . \$12.50  
Women's—waist sizes 22 to 30.

A407/w . . . ave. wt. 32 oz. . . . \$23.00  
Men's—waist sizes 30 to 46.

A407/m . . . ave. wt. 40 oz. . . . \$23.00  
Lederhosen Suspenders—men, women, children.

A408 . . . . . \$ 4.50

**WINDSHIRT.** An extremely lightweight nylon pullover windbreaker. Convertible collar with nylon coil zipper. Single pocket. Ideal for skiing, bicycling, and backpacking. Colors: navy, red, green. Sizes: men's small, medium, large, x-large; women's small, medium, large. A357 . . . ave. wt. 4½ oz. . . . \$ 5.00

**TRAILWISE CAGOULE.** A very light-weight knee-length parka made of waterproof coated nylon, cut large so that knees may be drawn up inside during bivouac. Suitable for camp or trail. Large Kangaroo pocket with velcro closure, drawcord with nylon slider at hood. Velcro at wrist, drawcord at lower edge. 4" x 10" case included. One size.

A120 . . . . . wt. 16 oz. . . . \$18.50

**LARGE PLASTIC PONCHO.** Waterproof vinyl, 54" x 96". Made longer in back for wearing over a pack. Zipper closure at neck. Snap fastener closures on sides. Hood with tie tapes.

A202 . . . . . wt. 24 oz. . . . . \$ 3.00

**NYLON PONCHO.** Waterproof rubberized nylon, 50" x 80". Snap fastener closures; drawcord hood. Green and yellow reversible.

A200 . . . . . wt. 23 oz. . . . . \$ 6.25

**TRAILWISE NYLPORT PONCHOS.** Urethane-coated nylon, completely waterproof, will not crack or peel. For those who want a quality lightweight poncho. Snaps are set along edges. With hood. Color: navy and green. Standard: Measures 55" x 90".

A121 . . . . . wt. 16 oz. . . . . \$15.00

Overpack: Measures 55" x 120". Extra long in back for wear over pack. May be shortened with snap fasteners for normal wear.

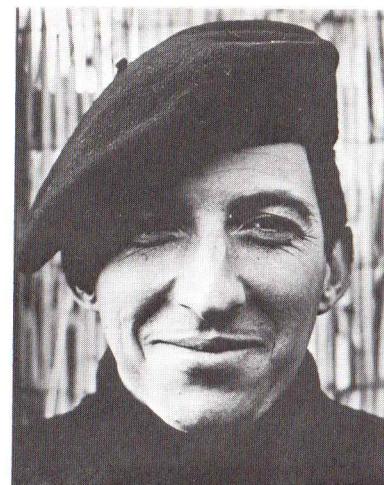
A122 . . . . . wt. 20 oz. . . . . \$19.00

**COLUMBIA RAINCOAT.** Light, waterproof, full-length double slider metal zipper, drawstring hood concealed in collar. Rip-resistant K-Kote nylon will not run, shrink, crack, or peel. Color: navy. Sizes for men or women: small, medium, large.

A203 . . . ave. wt. 10 oz. . . . . \$15.00



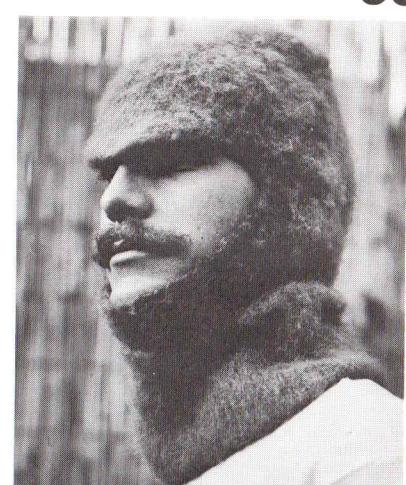
**ROLLER-CRUSHER.** The woodsman's favorite. Can be shaped to suit your mood. Takes crushing, smashing, folding, and stomping in its stride. Tends to become very distinctive in shape after long wear. Colors: black, red, green. Sizes: 6-5/8 to 7¾.  
**A701** .... ave. wt. 3 oz. .... \$ 3.00



**BASQUE BERET.** Made in traditional style of 100% wool felt. Leather head band. Colors: black or green. Sizes: 6¾ to 7¾.  
**A729** .... ave. wt. 4 oz. .... \$ 3.00



**ORLON BALACLAVA.** Looks good and gives maximum all-weather face protection. 100% Orlon double fabric knit. Colors: black, navy, red.  
**A710** .... wt. 3 oz. .... \$ 2.25



**WOOL BALACLAVA.** The original British Balacalva helmet; an invaluable item for extremely cold weather. Can be used either as a cap or a full protective helmet. Made from long fiber, soft, fleecy, Shetland wool. Colors: navy, grey, tan.  
**A711** .... wt. 4 oz. .... \$ 2.75

**SKI MITTS.** Deerskin mitten filled with goose down. Baffled nylon lining. Knit inner cuff keeps out snow and cold.  
**A505** .... ave. wt. 7 oz. .... \$ 22.00

**ROPER'S GLOVES.** A first quality glove of cream-colored tanned cowhide. Palm is free of stitching along finger and thumb bases. Strap adjustment on back. Sizes: 8 to 12.  
**A502** .... ave. wt. 5 oz. .... \$ 4.75

**MILLAR MITTS.** The famous British fingerfree glove. Back and wrist are water-repellent 100% wool, silicone treated. Palm is long-wearing non-slip textured cotton. Keeps wrist and hand warm and dry, frees fingers for climbing, fishing, etc. Color: tan backs with brown palms. Sizes: S, M, L.  
**A508** .... ave. wt. 2¾ oz. .... \$ 5.50

**G. I. GAUNTLET MITTS.** Very good for cold weather mountaineering. Full leather palm and thumb, back and gauntlet of close-weave cotton twill. Removable wool liner, strap for tightening, and trigger finger for performing delicate tasks without removing gloves.  
**A501** .... wt. 10 oz. .... \$ 3.25

**SILK GLOVE LINERS.** Augments warmth of any glove or mitten. Very useful under cold conditions when mitts must be removed to operate cameras, tie crampon straps, etc. Color: natural. Sizes: S, M, L.  
**A511** .... ave. wt. 1 oz. .... \$ 3.00

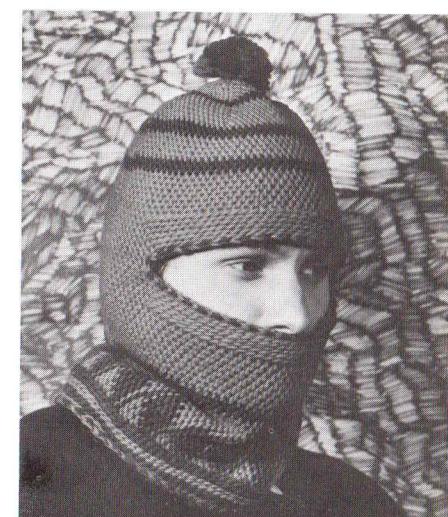
**ALUMINIZED GLOVE LINERS.** Made of aluminized Lurex threads. Heat-reflective and moisture absorbent Men's and women's stretch sizes. Color: silver.  
**A510** .... ave. wt. ½ oz. .... \$ 4.00

**NORSE NET UNDERWEAR.** Year-round comfort is provided by this traditional Scandinavian underwear. Fishnet design creates many small insulating air spaces for winter warmth and summer cool. Open cell construction allows evaporation of perspiration, thereby preventing outer garments from sticking to skin. Knitted from soft white cotton. Short sleeves. Sizes: small, medium, large, x-large.  
**A651** .... Shirts; ave. wt. 7 oz. .... \$ 3.50  
**A652** .... Longs; ave. wt. 7 oz. .... \$ 3.50

**SKI SKINS.** Dual layer underwear. 50% polyester, 50% cotton layer for soft comfort next to your skin. Outer layer is 70% polyester, 30% Australian wool for warmth. Men's: S, M, L, XL. Color: white. Women's: S, M, L. Color: powder blue.  
**A655** .... Shirts; ave. wt. 9 oz. .... \$ 6.00  
**A656** .... Longs; ave. wt. 8 oz. .... \$ 6.00

**HEAD BANDS.** 100% wool. Shaped pattern fits well over forehead and ears. Wide range of colors; please indicate alternate choices.  
**A713** .... wt. 1 oz. .... \$ 1.25

**BANDANNAS.** Traditional bandannas in assorted patterns. Colors: red or blue.  
**A730** .... small; ½ oz. .... \$ .35  
**A731** .... large; 1 oz. .... \$ .65



**MOROCCAN BALACLAVA.** Hand knit in the mountains of North Africa. Bold designs in 100% rayon. Colors: orange/yellow, red/blue, black/white.  
**A709** .... wt. 6 oz. .... \$ 6.25

# SOCKS

**NORWEGIAN LONG BOOT SOCKS.** Knee length Ragg socks made of 100% heavy-weight wool. Highest quality. Color: grey. Sizes: 9-13.

A931 ..... ave. wt. 7 oz. ..... \$ 3.25

**NORWEGIAN BOOT SOCKS.** An ideal all-around boot sock of 100% wool. These famous Ragg socks are high enough for 8" mountaineering boots. Color: grey. Sizes: 8-13.

A901 ..... ave. wt. 4½ oz. ..... \$ 2.25

**EXTRA-HEAVY NORWEGIAN SOCKS.** 10" ribbed top; nylon reinforced heel and toe. Extra thick wool for additional cushioning and warmth. Color: off-white. Sizes: 9-13.

A902 ..... ave. wt. 6½ oz. ..... \$ 3.00

**ROYLON PATTERNED KNICKER-SOCKS.** Scandinavian snowflake pattern in 55% wool, 45% acrylic. This Austrian import is elasticized both above and below the knee for secure fit and maximum freedom of movement. Colors: red, green, or blue with black. Sizes: 9-12.

A933 ..... ave. wt. 5 oz. ..... \$ 5.00

**ROYLON KNICKER-SOCKS.** Soft, warm, and long-wearing (45% wool, 55% Dralon). Wide rib knit. Elasticized above and below the knee. Colors: royal blue, medium grey, bright red, heather green. Sizes 9-12.

A932 ..... ave. wt. 6 oz. ..... \$ 4.00

**NORSE THERMAL SOCKS.** Thickly cushioned inner pile provides great comfort and excellent insulation. 75% wool, 25% nylon. Shrink resistant. An excellent all-around boot and casual sock. Colors: red, blue, white. Sizes: 9-14.

A903 ..... ave. wt. 3 oz. ..... \$ 3.00

**WICK-DRY SOCKS.** Double layer socks. Inner layer repels moisture while outer layer absorbs moisture, keeping feet dry.

A908 ..... ave. wt. 3½ oz. ..... \$ 2.60

**ADLER STRETCH SOCKS.** 65% lambs wool, 35% stretch nylon. A medium-weight sock for sport or casual wear. Shrink resistant. Colors: green, bourbon, grey, white. One size 10½-13.

A906 ..... ave. wt. 2½ oz. ..... \$ 1.50

**LIGHTWEIGHT INNER SOCKS.** Recommended for wear under heavy bootsocks. 70% polypropylene, 30% nylon fibers carry moisture away from foot. Color: white. Stretch sizes 9-11, 10-13.

A909 ..... wt. ¾ oz. ..... \$ 1.00



**TRAILWISE 9" GAITERS.** Snug elastic grip above and below the ankle. Made of waterproof nylon duck. Adjustable nylon underarch strap. Nylon zipper.

A116/9 ..... wt. 6½ oz./pr. ..... \$ 6.50

**TRAILWISE 18" GAITERS.** Reaches above calf for extra protection in deep snow and severe conditions. Nylon duck, full nylon zipper, adjustable nylon underarch strap. Hook to clip front of gaiter to boot laces. Elastic at top, ankle and bottom of gaiter.

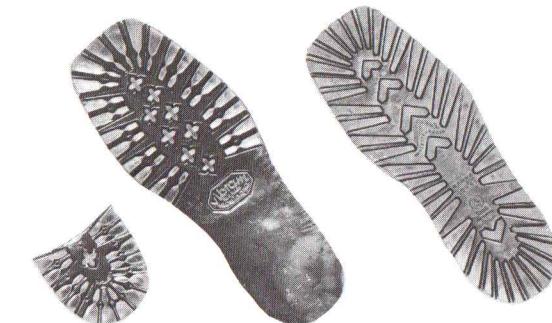
A116/18 ..... wt. 9 oz./pr. ..... \$13.50



**TRAILWISE DOWN BOOTEES.** Wear inside tent, cabin, car or sleeping bag. Pure, fluffy goose down in differentially sewn shell provides the most efficient insulation known. Soles are ¼" Ensolite covered with heavy-duty urethane-coated nylon duck for ground insulation. Uppers are constructed with Supernyl outer shell and Tenaya inner shell. Inner sole is cotton for non-slip comfort. Hidden elastic band holds bootee snugly against heel. Drawstring at top. Height is 11". Sizes: S, M, L.

A115 ..... ave. wt. 8 oz. ..... \$11.00

**RUBBER LUG SOLES.** Made of black compound rubber that will grip on almost any surface except glare ice. They are used extensively by outdoorsmen and mountaineers throughout the world.



**VIBRAM MONTAGNA SOLES AND HEELS.** For hiking and mountaineering boots.

B010 ..... ave. wt. 1 lb./pr. ..... \$4.50

**RUBBER MIDSOLES.** Needed to obtain best bonding of lug soles.

B013 ..... ave. wt. 6 oz./pr. ..... \$ 1.00

**MARWA SOLES.** For kletterschuhs without raised heels.

B011 ..... ave. wt. ¾ lb./pr. ..... \$ 3.25

**RESOLING SERVICE.** Proper attachment of lug soles is critical. We recommend that you engage your local shoe repairman to undertake resoling, as the savings in money and time are considerable.

Boots must be clean before they will be accepted for repair or resoling service.

Price includes sole, rubber midsole and labor ..... \$14.00

Cost of shipping and handling (Parcel Post) ..... \$ 1.50

Note: Allow four weeks for two-way shipment and resoling service.

**LEATHER LACES.** Oil-tanned and made from heavy gauge leather. Length 72".

B910 ..... wt. ¾ oz. ..... per pair \$ .60

**BRAIDED NYLON LACES.** Textured; high tensile strength. Non-slip waxy finish. Colors: black, red, white.

A123/54 ..... 54" long ..... per pair \$ .50

A123/72 ..... 72" long ..... per pair \$ .60

**SNO-SEAL.** The original waterproofing for leather.

B902 ..... 8 oz. can ..... \$ .95

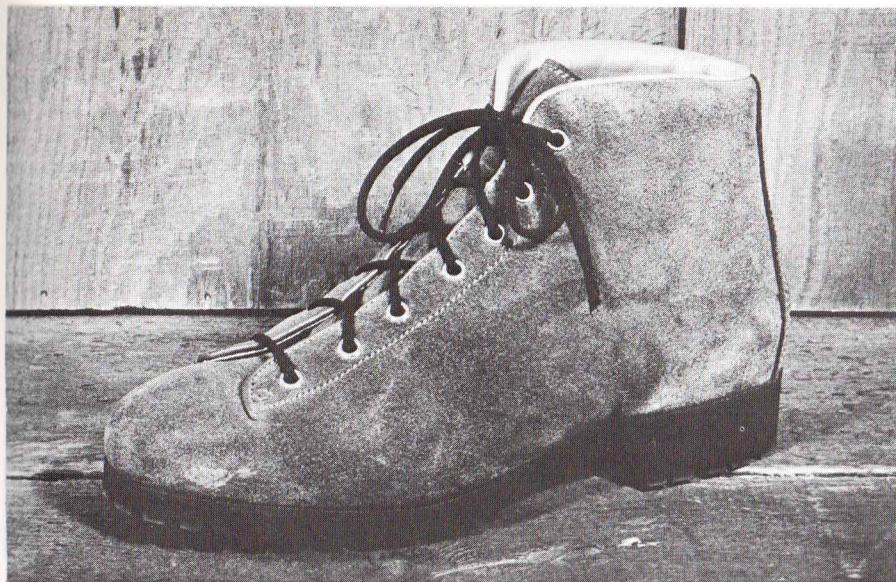
B903 ..... 4 oz. can ..... \$ .60

**LEATHER SEAL.** For waterproofing shoes, ski and hiking boots.

B905 ..... 8 oz. can ..... \$ 1.40

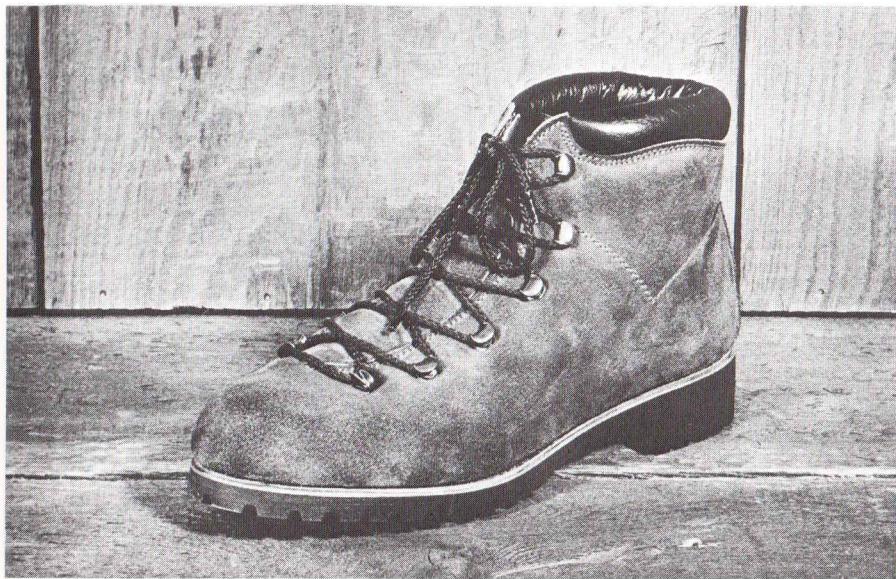
**SNO-SHOO.** Silicone waterproofing spray for shoes and boots. May also be used on suede.

B901 ..... 8 oz. aerosol can ..... \$ 1.50



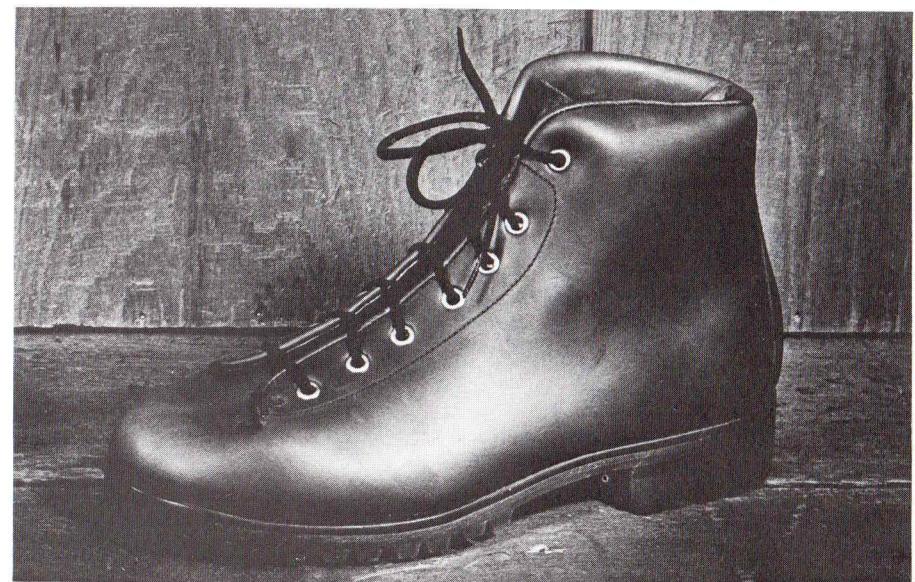
**MUIR TRAIL.** By Pivetta. An excellent lightweight trail boot of grey abrasion-resistant suede. Fully lined in smooth calf; padded tongue and ankle section. Reinforced toe caps and heel counters. Non-skid Vibram lug soles. Doubles as an excellent climbing boot. Height 6". Sizes 4 to 14; widths AAA to D.

B101 ..... ave. wt. 3 lbs. ..... \$28.00



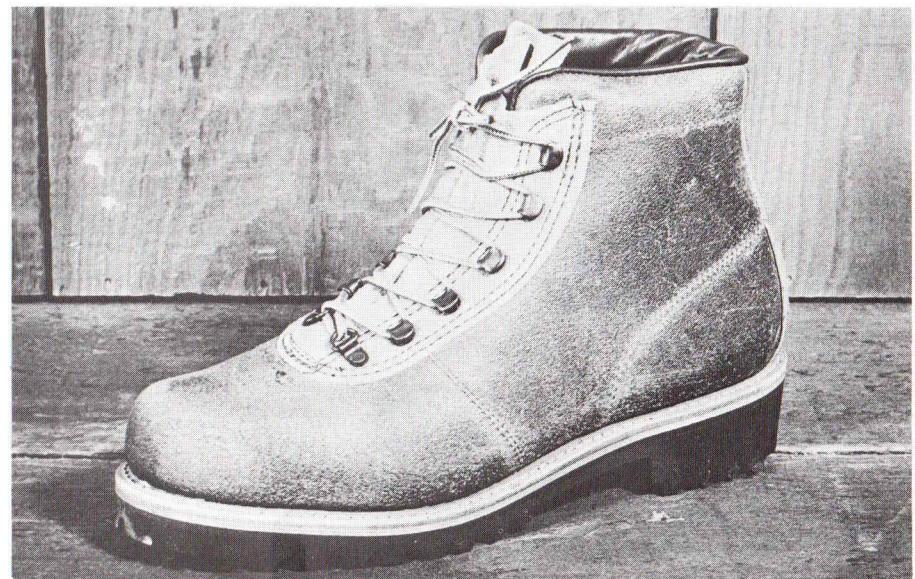
**BEOFOR.** By Voyageur. A very lightweight boot for the ladies. Suede uppers, smooth leather inner lining. Padded ankles and scree collar. Bellows tongue with flap protector. Lacing hooks. Rubber lug welt sole. Height 5". Sizes 4 to 9; widths narrow and medium.

B306 ..... ave. wt. 2½ lbs. ..... \$20.00



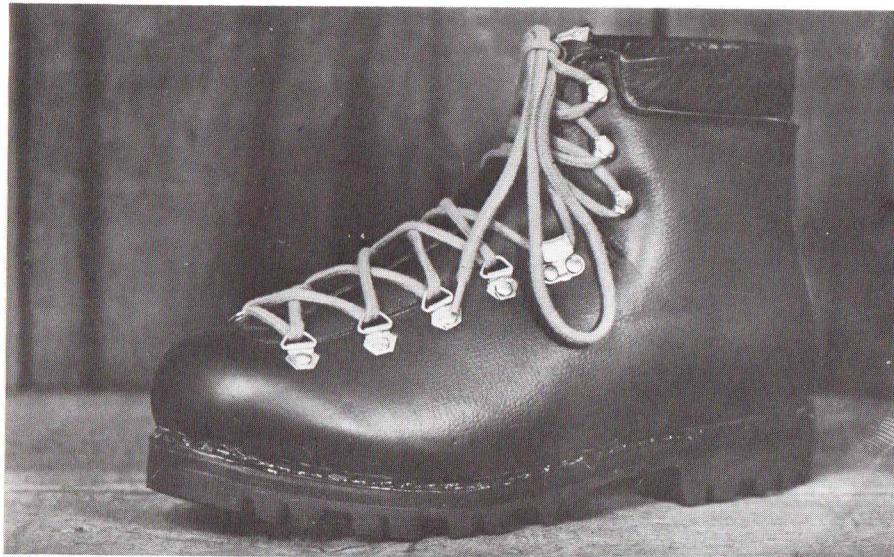
**PIVETTA 5.** Medium-weight hiking boot. Built on the same last and design as the Muir Trail, this boot features smooth-finish leather uppers and a leather midsole. Calf lined, padded ankle and tongue, Vibram sole. Reinforced toe caps and heel counters. Height 6". Sizes 5 to 14; widths AAA to D.

B102 ..... ave. wt. 4 lbs. ..... \$37.00



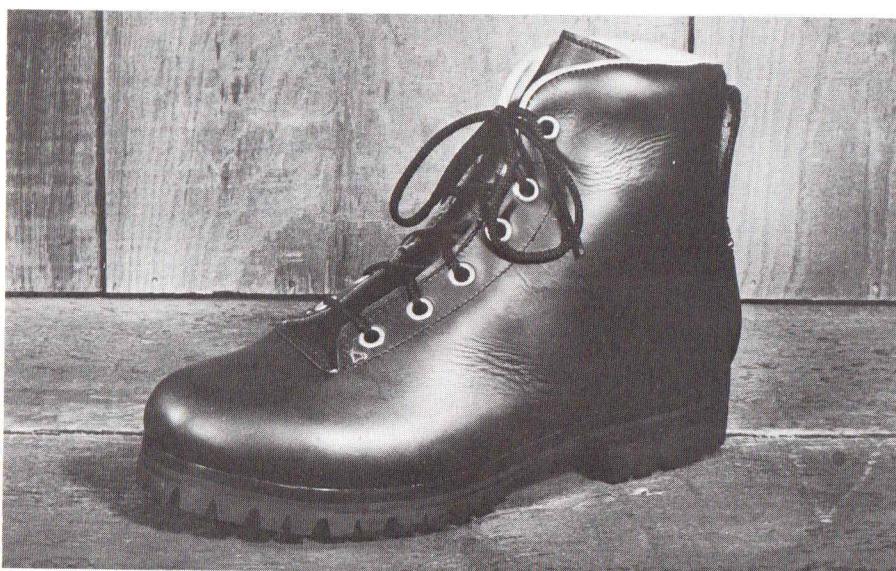
**SIERRA.** By Voyageur. Light and rugged American-made hiking boot. Roughout leather uppers, unlined, reinforced at heel counter, toe, and arch. Full bellows tongue backed by padded inner tongue. Padded top to keep out scree and snow. Lacing hooks. Vibram Montagna welt soles. Height 6". Sizes 7 to 13; widths medium and wide.

B304 ..... ave. wt. 3½ lbs. ..... \$28.00



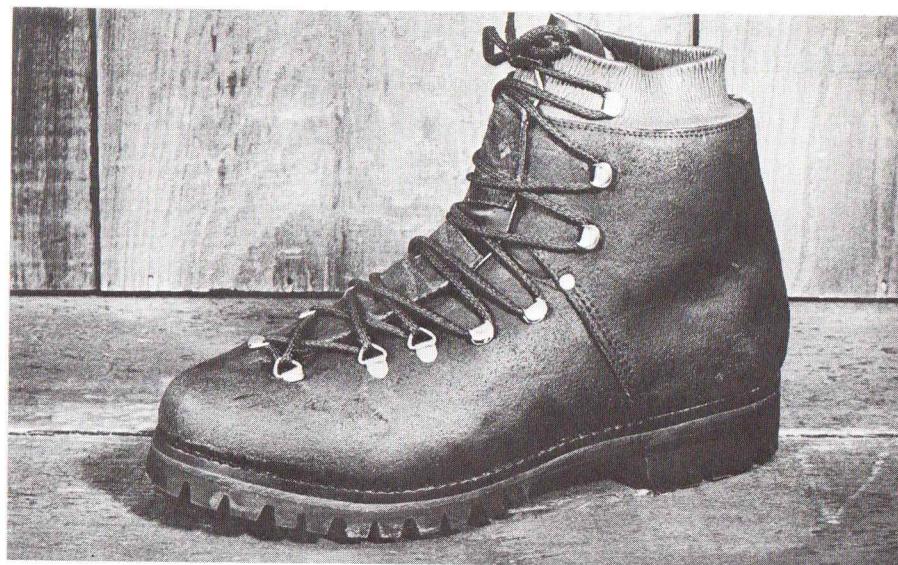
**MOUFLON SHASTA.** By Galibier. A medium-weight, comparatively flexible boot with a two-piece black leather upper. Good for all-around hiking or light mountaineering. Especially suitable for beginning climbers. Makes a good woman's boot. Lug welt soles. Sizes 5 to 12; medium width.

B402 ..... ave. wt. 4½ lbs. ..... \$31.00



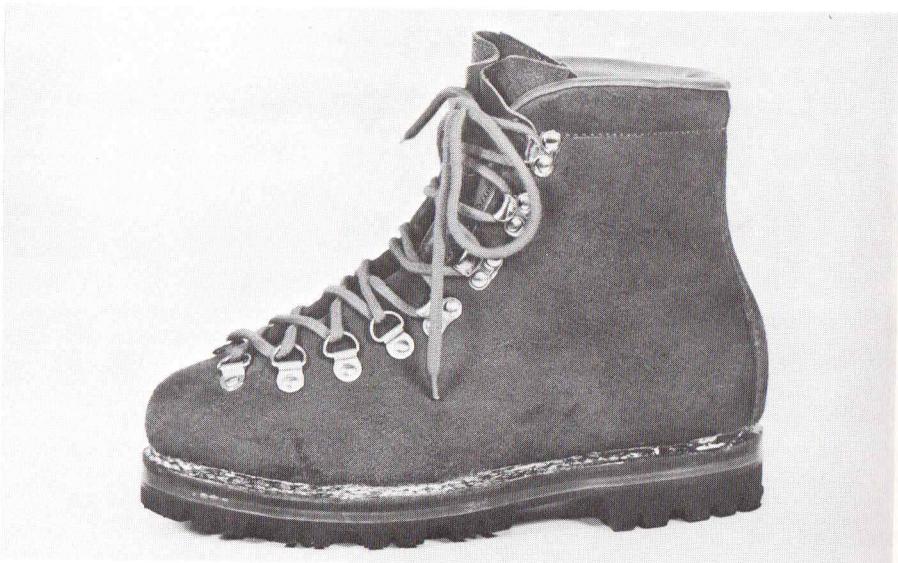
**EIGER.** By Pivetta. Heavy-duty Italian mountaineering boot. Black leather upper, resistant to rock abrasion and water penetration. Padded throughout ankle section; fully lined in calfskin. Hard toe and heel counter. Vibram Montagna sole is cemented on, and reinforced by brass screws at toe and heel sections. Sole is trimmed to eliminate overhang. This boot has been proven on expeditions to the Andes, Himalayan, Alaskan and African ranges. Height 6½". Sizes 5 to 14; widths A to E.

B406 ..... ave. wt. 4¾ lbs. ..... \$38.00



**MONTE ROSA.** By Pivetta. Developed in Europe for climbing in the Alps. Roughout oil-tanned leather for abrasion resistance. Fully lined with chrome-tanned leather, backed with foam rubber around the ankle section, including tongue. The Vibram Montagna sole has no overhang, assuring good balance on rock and technical ice. Lacing hooks. Height 5½" plus 1" snow and screen collar. Sizes 5 to 12; widths A to D.

B105 ..... ave. wt. 4½ lbs. ..... \$41.00



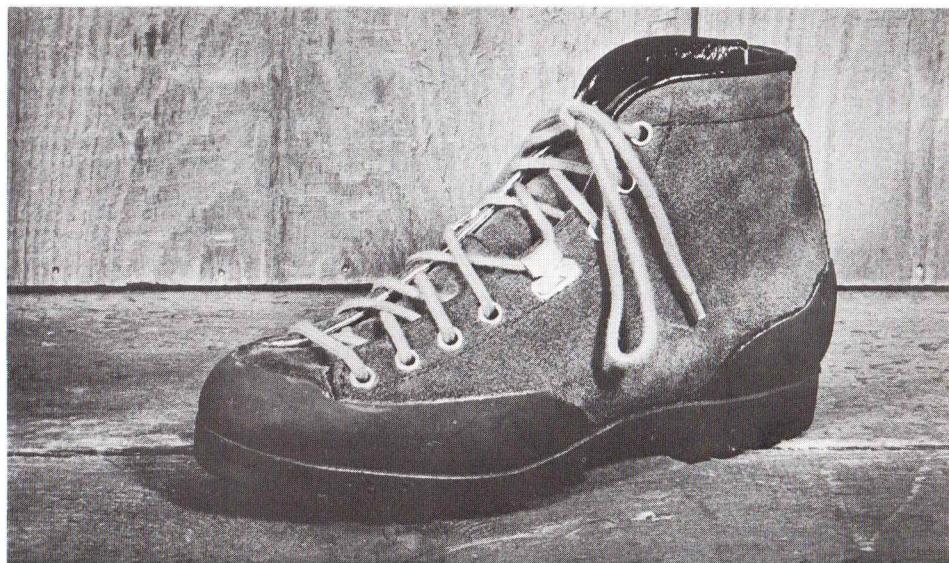
**"RD" SUPER-GUIDE.** By Galibier. A heavy-duty mountaineering boot with stiff sole. Tan rough-out uppers with "double water-proof tanning." Used on many of the hardest climbs in the Alps and in North and South America. Upper is gusseted to keep out water and snow. Good for rock climbing. Lug welt soles. Sizes 6 to 13; medium width.

B403 ..... ave. wt. 5½ lbs. ..... \$45.00



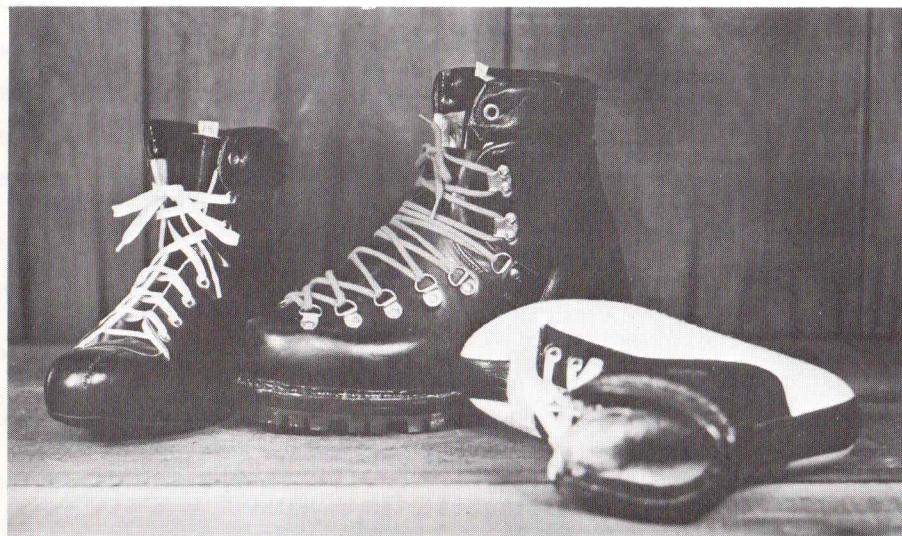
**SPIDER.** By Pivetta. Designed for technical rockclimbing. Stiff Vibram sole for edging on tiny holds. Grey suede leather. Heel and toe are capped with an additional layer of leather. Sizes: 5 to 14. Widths AA to D. **Limited supply available.**

B100 ..... ave. wt. 2½ lbs. .... \$20.00



**"RR" VARAPPE.** By Galibier. Designed by Royal Robbins and manufactured by Galibier as a heavy duty rockclimbing shoe. Not recommended for hiking. The Varappe has become the most popular and most versatile rockclimbing shoe in the United States. Rigid for edging and comfort in slings, yet sufficiently flexible to conform to sloping holds. Gripping device on lacing allows separate adjustment of lace tension for walking. Uppers are blue suede with a thickness of rubber over toe and heel counter; padded ankle; lug sole. Sizes 5 to 12; width medium.

B404 ..... ave. wt. 3½ lbs. .... \$30.00



**HIVERNALE.** By Galibier. A double boot with two sets of inner boots. The "arctic" inner is felt on the lower and leather on the upper exterior, fully lined with synthetic fur. The "alpine" inner has a black leather exterior and is lined with felt. Outer boot is smooth black leather with closely trimmed lug soles and is so lightweight that one can climb in it as well as in a single boot. Hinged heel. Lacing rings. For technical climbing in very cold weather. Sizes 5½ to 12; medium width.

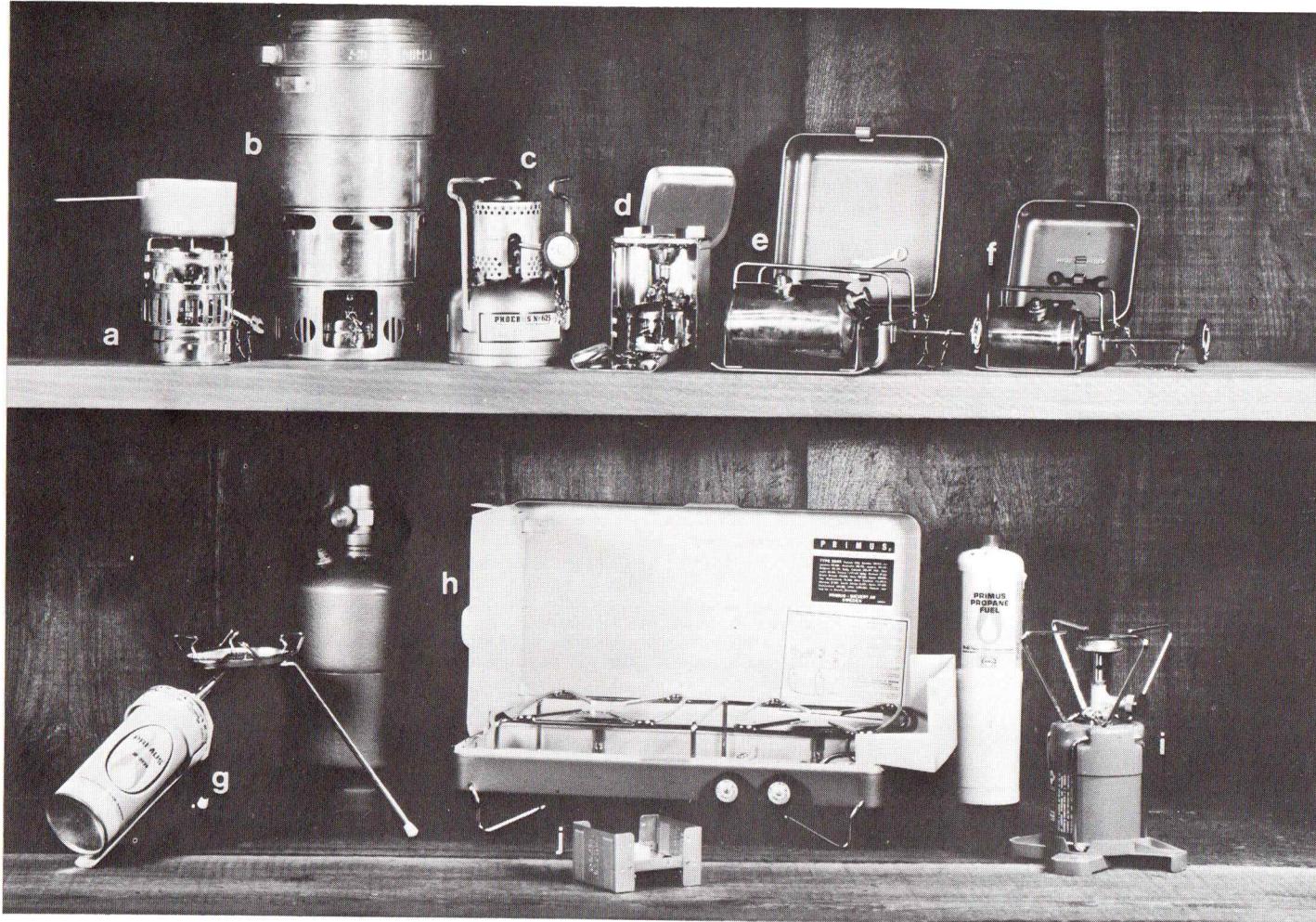
B401 ..... ave. wt. 6½ lbs. .... \$80.00

#### HOW TO ORDER BOOTS

Please follow these directions carefully. The information requested below is essential for the fitting of your boots.

1. Put on the socks you intend to wear. Stand up on a piece of paper, having the weight of your body equally distributed on both feet. Holding a pencil vertically, clearly define the outline of each foot.
2. State your usual dress shoe size. Give both length and width; for example 9 C.
3. Enclose the foot outline and your dress shoe size with your order.

NOTE: We guarantee a proper fit. Instructions for trial use of your boots will be sent with them. Please observe these instructions carefully as boots which have been worn out-of-doors will not be accepted for exchange or refund. If the fit is incorrect, send the boots back to us with the coupon provided on the instruction sheet. A new pair of boots will be sent back to you postpaid.



**a** **SVEA 123.** An ideal combination of high efficiency and low weight, this practical Swedish stove will fit into any ordinary rucksack pocket. Burns about 1 hour on 1/3 pint of white gasoline. Requires no pumping. Safety valve. Integral windscreens also serve as stand for pots. Small pot is included with stove. Packed size with windscreens and pot 5" x 3 3/4" diameter.  
U703 ..... wt. 18 oz. .... \$12.50

**b** **SIGG TOURIST.** A lightweight camp stove set, designed for use with Svea stove. Set consists of one casserole of 2 1/2 pint capacity, one casserole of 3 1/2 pint capacity, one lid/pan, upper and lower wind guard, strap, and Svea gasoline stove. Stove fits inside pots. Nested size 8 1/2" dia. x 4 1/4" high.  
U733 ..... wt. 2 lbs. .... \$21.50  
Sigg Tourist set without stove  
U732 ..... wt. 21 oz. .... \$11.00

**c** **PHOEBUS 625.** Ideal for high-altitude expeditionary use, this compact and versatile Austrian stove is rated to boil one quart of water in 4 minutes. Burns white gas, but regular gas may be used if the cooking area is properly ventilated. Burns 1 1/2 hours on one pint of fuel. Packed in a 5 1/2" dia. x 7 1/2" metal cylinder.  
U707 ..... wt. 42 oz. .... \$14.00

**d** **OPTIMUS 80.** This compact stove comes in a metal box which serves as a windscreens/cooking pot stand. Burns white gas and requires no pumping. 1/2 pint burns about 1 1/2 hours. 3 3/4" x 5 1/4".  
U701 ..... wt. 20 oz. .... \$12.00

**e** **OPTIMUS 111B.** Wide, low profile gives stable base for pots. 3/4 pint of white gas will last about 2 hrs. Powerful, regulating burner with self-cleaning device is rated to boil 1 qt. of water in 3 to 4 minutes. Wind-shield ensures perfect working under adverse conditions. Built-in pump provides desired pressure. Brass tank with safety valve. Japanned steel case measures 6 3/4" x 6 3/4" x 4 1/8".  
U715 ..... wt. 3 7/16 lbs. .... \$20.00

**f** **OPTIMUS 8R.** Smaller version of the 111B. Self pressure system. 3/4 pt. of white gas lasts about 1 1/2 hrs. Rated to boil 1 qt. of water in 6 to 7 minutes. Size 5" x 5" x 3".  
U714 ..... wt. 27 oz. .... \$13.50

**g** **PRIMUS 2255 GRASSHOPPER.** Popular, lightweight, single-burner butane stove. Burns 3 to 4 hours on one disposable butane cartridge. Regulating wheel controls flame. Measures 3" x 13" folded. Does not include cartridge.

U704 ..... wt. 15 oz. .... \$ 6.75

**PRIMUS DISPOSABLE BUTANE CART-RIDGE.** 2 3/4" x 6 3/4". Holds 1/2 lb. of gas.  
U705 ..... wt. 11 oz. .... \$.85

**h** **PRIMUS 2049.** The easiest of all stoves to use, this instant-lighting 2-burner is ideal for car camping or any situation where size and weight are not of primary importance. Clean, fast, efficient. Folded size 17" x 13" x 2". Burns propane gas.  
U713 ..... wt. 9 1/2 lbs. .... \$27.00

**Disposable Propane Cylinder.** For Primus 2049. 14 oz. gas burns 3 to 5 hours.  
U751 ..... wt. 29 oz. .... \$ 2.00

**Primus Refillable Propane Tank.** Holds 3 1/2 lbs. propane gas. Easy filling. The most economical way to use propane. 13 1/4" high, 5 7/8" in diameter.  
U752 (without gas) wt. 5 3/16 lb. .... \$15.00

**i** **BLEUET.** This French stove uses disposable butane cartridges. Each cartridge will burn for 2 1/2 to 3 hours at maximum flame. Regulating valve controls flame. No priming, pre-heating, or pumping—simply open valve and light. Comes complete with one butane cartridge. 8 1/2" x 3 1/2".

U710 with cartridge wt. 25 oz. .... \$ 9.00

Bleuet Windscreens  
U710/w ..... wt. 2 oz. .... \$ 1.25

Bleuet Cartridge  
U711 ..... wt. 10 oz. .... ea \$ .95

Box of 6 Bleuet Cartridges  
U712 ..... wt. 3 3/4 lbs. .... \$ 5.25

Butane cartridges may not be shipped by Air Mail.  
Cleaning Needle ..... \$ .35

**HEAT TAB STOVE.** Simple folding stove uses solid fuel tablets. Two hours fuel included.  
U716 ..... wt. 2 oz. .... \$ 2.00

**HEATABS.** Solid fuel tablets. May be used with Heatab stove or for starting fires and priming gasoline stoves.  
2 hr. supply  
U717 ..... wt. 3 oz. .... \$ 1.00

4 hr. supply  
U718 ..... wt. 6 oz. .... \$ 1.40

**ALUMINUM WINDSCREEN.** Folding wind-break for small stoves. Three 5" x 6" hinged panels. Draft holes near bottom.  
U740 ..... wt. 4 oz. .... \$ 4.00

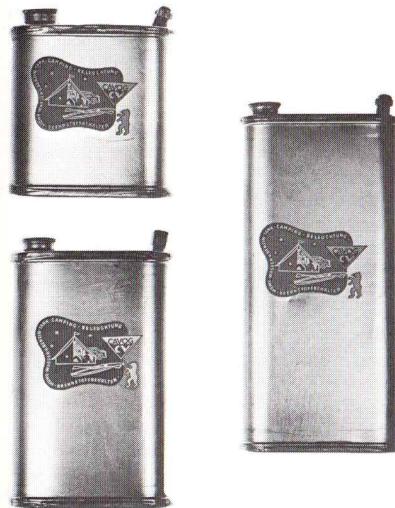
**METAL MATCH BOX.** Chrome-plated seamless drawn brass with rough-surface match scratcher on sides. 2 $\frac{1}{4}$ " x 1". Waterproof.  
E507 ..... wt. 1 $\frac{1}{4}$  oz. ..... \$ 1.95

**PLASTIC MATCH BOX.** Waterproof, hard plastic. Cork gasket, striking flint. 2 $\frac{1}{4}$ " x 1"  
E506 ..... wt. 1 $\frac{1}{4}$  oz. ..... \$ .45

**FLINT STICK.** Gives off a high-temperature spark that will ignite flammable gases and liquids or tinder. Comes in kit with flint, striker, tinder, and key ring.  
E504 ..... wt.  $\frac{3}{4}$  oz. ..... \$ 1.00

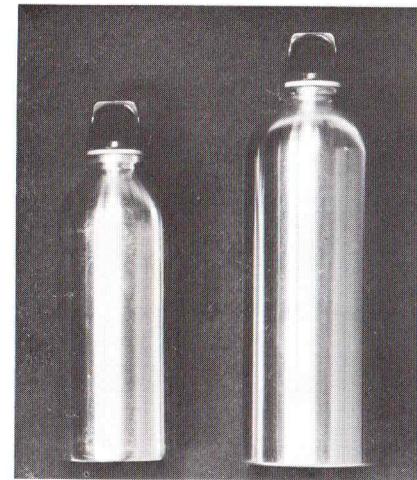
**METAL MATCH.** Simply hold over tinder and ignite by rapidly scraping with a sharp object, which will produce a shower of long-lasting high temperature sparks.  
E505 ..... wt.  $\frac{3}{4}$  oz. ..... \$ 2.50

**PLASTIC FUNNEL.** Lightweight polyethylene, with metal screen to filter gas for camp stoves, etc.  
U911 ..... wt.  $\frac{1}{4}$  oz. ..... \$ .50

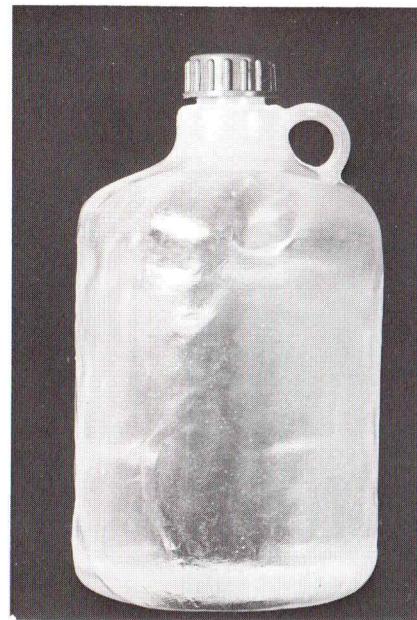


**FUEL CONTAINERS.** Flat type. Tin alloy, leakproof, non-corrosive. Brass pouring spout and filling cap. Built-in filtering screens.

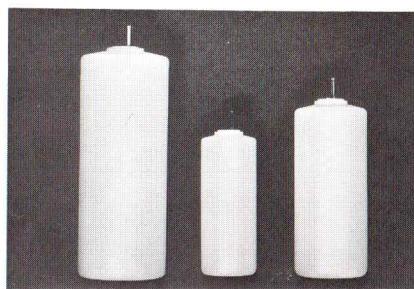
U620 1 pint  
4" x 1 $\frac{3}{4}$ " x 4 $\frac{1}{2}$ " ... wt. 4 oz. ... \$ 2.75  
U621 1 $\frac{1}{2}$  pint  
4" x 1 $\frac{3}{4}$ " x 7" ..... wt. 5 oz. .... \$ 2.75  
U622 1 quart  
4" x 1 $\frac{3}{4}$ " x 9 $\frac{1}{2}$ " ... wt. 6 oz. .... \$ 2.75



**ALUMINUM BOTTLES.** Leakproof and non-corrosive. Good fuel bottles.  
Red Anodized Finish  
U610 pint ..... wt. 4 $\frac{1}{4}$  oz. ..... \$ 2.50  
U612 quart ..... wt. 6 oz. ..... \$ 2.75  
Spun Aluminum Finish  
U600 pint ..... wt. 4 $\frac{1}{4}$  oz. ..... \$ 1.75  
U602 quart ..... wt. 6 oz. ..... \$ 2.25



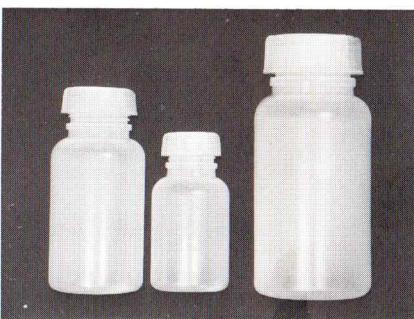
**COLLAPSIBLE PLASTIC BOTTLE.** Stands upright when filled—collapses when empty. Leakproof plastic screw cap. 5 qt. capacity.  
U655 ..... wt. 4 $\frac{1}{2}$  oz. ..... \$ 1.25



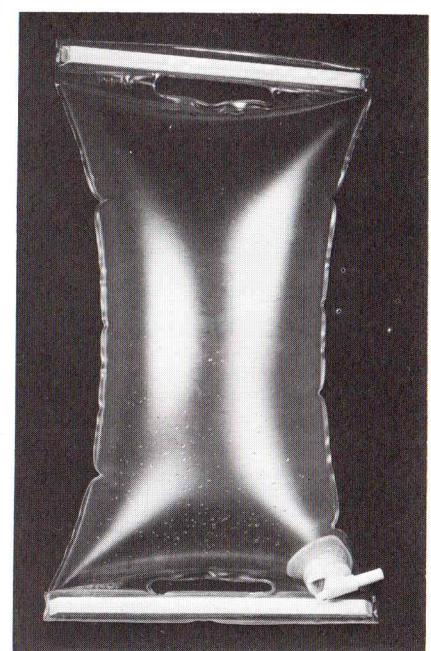
**POLYETHYLENE BOTTLES.** Unbreakable, lightweight. Excellent for carrying liquids.  
U640 1/2 pint ..... wt.  $\frac{3}{4}$  oz. ..... \$ .35  
U641 1 pt. ..... wt. 1 $\frac{1}{4}$  oz. ..... \$ .60  
U642 1 qt. ..... wt. 2 $\frac{1}{4}$  oz. ..... \$ .75



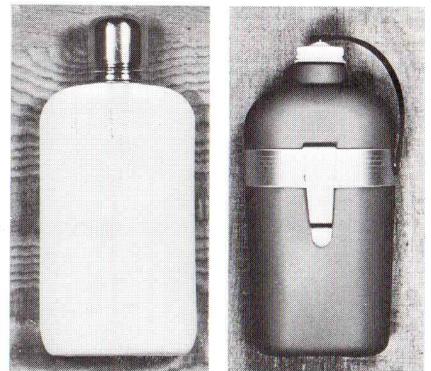
**BOTTLES WITH ATTACHED CAP.** Made in Austria of non-breakable soft polyethylene. Vertical corrugations for strength. Non-losable plug stopper and screw cap.  
U630 1 pt. ..... wt. 2 $\frac{1}{4}$  oz. .... \$ .70  
U631 1 $\frac{1}{2}$  pt. ..... wt. 3 oz. .... \$ .75  
U632 1 qt. ..... wt. 3 $\frac{1}{2}$  oz. .... \$ .90



**PLASTIC WIDE-MOUTH BOTTLES.** Unbreakable polyethylene. Positive sealing heavy-duty lid.  
U650 1/2 pint ..... wt. 1 $\frac{1}{4}$  oz. ..... \$ .50  
U651 1 pt. ..... wt. 2 $\frac{1}{4}$  oz. ..... \$ .80  
U652 1 qt. ..... wt. 5 $\frac{1}{2}$  oz. ..... \$ 1.35

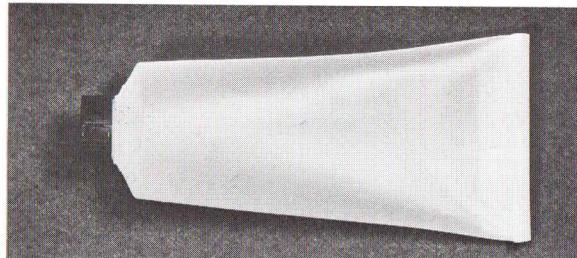


**COLLAPSIBLE WATER BAG.** Thick, flexible vinyl container holds 11 quarts. May be rolled up. Removable spigot at bottom, handles at both ends. Convenient water supply.  
U662 ..... wt. 8 $\frac{1}{2}$  oz. ..... \$ 2.50



**PLASTIC FLASK.** Unbreakable. Translucent frosted finish. Shaped to fit hip. Two caps; outer one measures 1 fluid oz.  
U643 ..... wt. 2 oz. ..... \$ 1.00

**PLASTIC CANTEEN.** Lightest of its type. Attached metal cap and belt clip. Holds 1 quart.  
U644 ..... wt. 4 oz. ..... \$ 2.70



**POLY-SQUEEZE TUBE.** Solves the packaging problem for hard-to-carry foods; jams, margarine, honey, peanut butter. Refillable by disengaging the clip at the end. Eggs can be broken into the open tube; yolks will usually remain intact for quick and easy fried eggs in the morning.

U638 ..... wt. 1/4 oz. ..... ea. \$ .42  
3 for \$ 1.25  
Extra Clips 3 for \$ .30



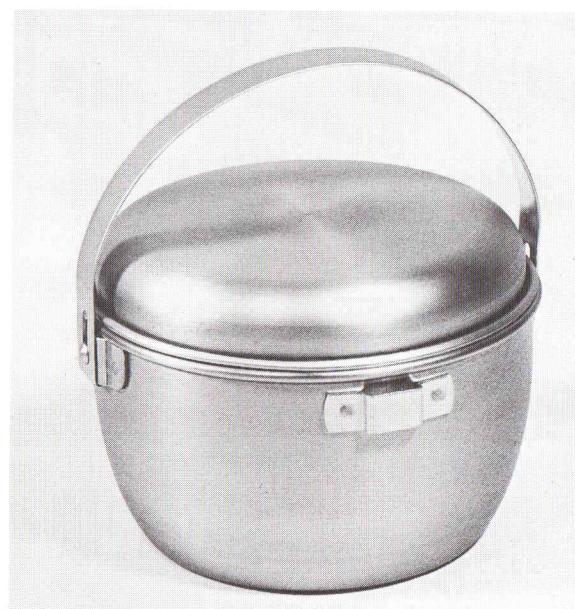
**ALUMINUM PROVISION BOX.** Comes with inner plastic container and hermetically sealing inside cover. The best way to pack butter, jams, condiments. Plastic insert is light and odorless.

U835 ..... 2" x 3 1/2" ..... wt. 2 1/2 oz. ..... \$ 1.40  
U840 ..... 2 1/4" x 4" ..... wt. 3 oz. ..... \$ 1.50  
U847 ..... 2 1/2" x 4 1/4" ..... wt. 4 1/2 oz. ..... \$ 2.00



**PLASTIC EGG BOXES.** Hard plastic; will not dent or crush. Condiment containers included.

U802 ..... 2-egg ..... wt. 1 oz. ..... \$ .35  
U804 ..... 4-egg ..... wt. 2 1/2 oz. ..... \$ .60  
U806 ..... 6-egg ..... wt. 3 3/4 oz. ..... \$ .95  
U812 ..... 12-egg ..... wt. 6 oz. ..... \$ 1.30

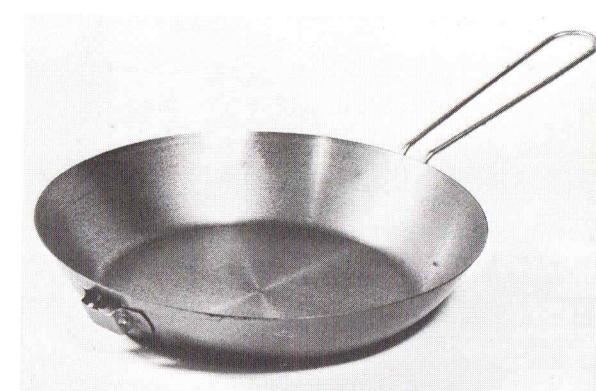


**ALUMINUM SCOUT KETTLES.** Swiss-made nesting kettles of first-quality workmanship. Securely fastened bail handles which lock into upright position. The lid of each kettle also serves as plate or pan.

U016 ... 2 1/2 pint ... 6 1/4" dia. ... wt. 8 3/4 oz. ... \$ 4.00  
U018 ... 3 1/2 pint ... 7 1/4" dia. ... wt. 11 1/2 oz. ... \$ 4.50  
U020 ... 5 1/4 pint ... 8" dia. ... wt. 14 1/4 oz. ... \$ 5.35  
U022 ... 7 pint ... 8 3/4" dia. ... wt. 17 1/2 oz. ... \$ 6.00  
U024 ... 8 3/4 pint ... 9 3/4" dia. ... wt. 20 oz. ... \$ 7.00

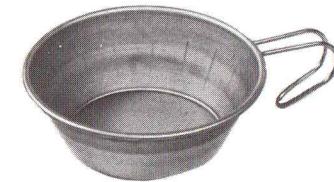


**ALUMINUM DEEP PLATE.** Light aluminum. Rounded edges. 8" diameter.  
U401 ..... wt. 3 oz. ..... \$ 1.00



**STEEL FRY PAN.** Far superior to aluminum for frying. Detachable handle.

U130 ..... 8 3/4" dia. ..... wt. 12 oz. ..... \$ 2.50



**SIERRA CLUB CUP.** Classic stainless steel design, far superior to other metals as it is less prone to heat up when filled with hot liquids. The steel wire handle remains cool and can be easily hooked onto belt. Useful for stews, cereals, etc., as well as beverages. 4 1/2" top diameter, 3 1/8" at base, 1 1/4" deep, nesting.

U400 ..... wt. 3 oz. ..... \$ 1.25



**PLASTIC CUP.** Tough, flexible polypropylene. Marked in 1/4-cup increments. Cups nest for packing. Color: green.  
U405 ..... wt. 1 oz. ..... \$ .25

**SPATULAS.** Rustproof, light stainless steel blade. Hardwood handle with brass rivets.

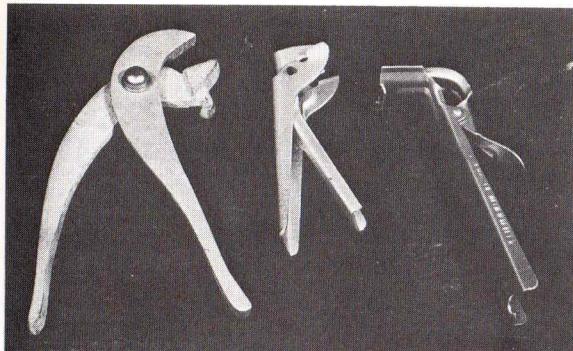
U901 ..... 2" x 2 3/4" blade ..... wt. 1 1/2 oz. ..... \$ 1.75  
U902 ..... 2" x 4" blade ..... wt. 2 1/2 oz. ..... \$ 2.00

**HANDY OPENER.** Tiny, lightweight, efficient folding can opener. Doubles as screwdriver and lid pryer.

U910 ..... wt. 1/8 oz. ..... \$ .15

**KNIFE FORK SPOON SET.** British import. All aluminum with Sheffield stainless steel knife blade. Clip holds utensils firmly together.

U403 ..... wt. 3 oz. ..... \$ 1.75

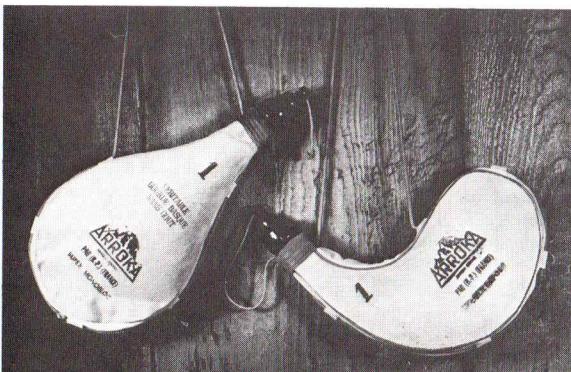


**HOT POT TONGS.** Lightweight aluminum for gripping hot pots. Hook for lifting wire bales.  
U905 ..... wt. 3 1/4 oz. ..... \$ 1.25

**ALUMINUM POT GRIPPER.** Simple, very lightweight. 4 1/4" long.  
U906 ..... wt. 1 1/2 oz. ..... \$ .60

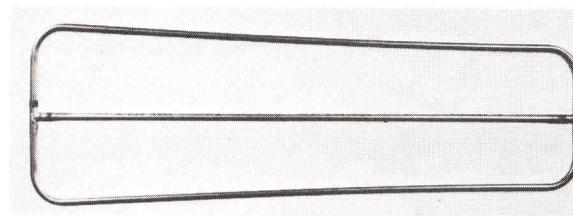
**STEEL POT GRIPPER.** Spring-loaded grip. Stronger for heavy pots than aluminum. 6" handle.  
U907 ..... wt. 3 1/4 oz. ..... \$ .85

**SALT AND PEPPER SHAKER.** Imported 2-section plastic container. Flip-up cap prevents spilling.  
U800 ..... wt. 1 1/4 oz. ..... \$ .60

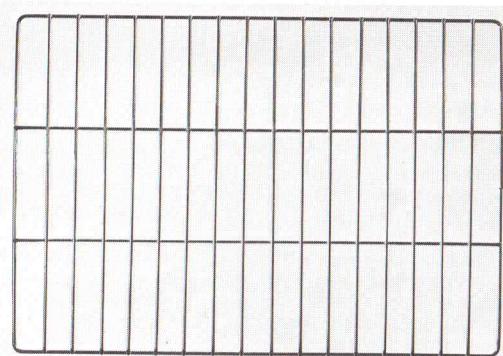


**BOTAS.** Authentic Basque winebags. Made of natural tan suede. Lined with tasteless clear coating to protect contents. Red sling cord. Contents can either be poured from the filler spout or squirted directly into the mouth.

U680	1 quart kidney shape	wt. 6 oz.	\$ 7.00
U681	1 1/2 quart kidney shape	wt. 6 1/2 oz.	\$ 8.00
U682	1 quart teardrop shape	wt. 5 oz.	\$ 6.00
U683	1 1/2 quart teardrop shape	wt. 6 oz.	\$ 7.00



**BACKPACKER GRILL.** Lightweight and adaptable. Stainless steel tube construction. Large enough for two average-sized pots. Includes lightweight fabric case. 5" x 15 1/2".  
U504 ..... wt. (w/case) 4 oz. ..... \$ 6.00



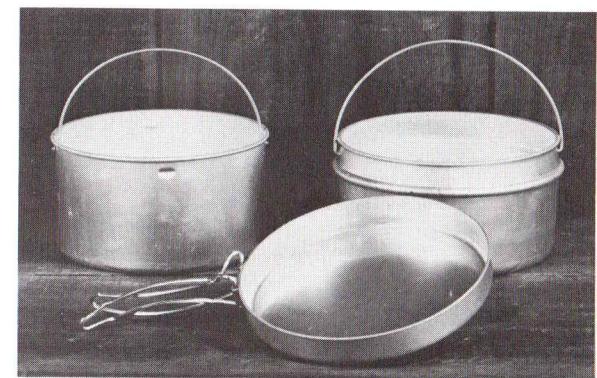
**WIRE GRILL.** Simple lightweight platform without legs. Nickel-plated steel. 9" x 13".  
U502 ..... wt. 7 oz. ..... \$ 1.50



**SIGG COOKSET.** 2, 2 1/2, and 3 quart aluminum pots. 8 3/4" steel fry pan/lid. Aluminum pot gripper, wire handle.  
U302 ..... wt. 2 lbs. 6 oz. ..... \$10.75



**SAFARI ONE-MAN COOKSET.** Spun aluminum from West Germany. Includes 8" plate, 7" fry pan, 6 1/4" dia. pot with lid, spoon-fork combination, spring pot gripper, and plastic cup. Packs into neat unit 2 1/2" x 8" diameter. Exceptionally lightweight and an excellent value.  
U301 ..... wt. 17 1/2 oz. ..... \$ 4.50



**TWO-MAN MOUNTAIN COOKSET.** Strong and compact aluminum 3-piece set consisting of two pots with bail handles and a fry pan with folding wire handle.  
U303 ..... wt. 21 oz. ..... \$ 4.75



**ALUMINUM 4-MAN COOKSET.** 6, 4, and 2 quart pots. 9 1/2" Teflon coated fry pan/lid. 8 3/4" fry pan/lid. 2 quart coffee pot w/lid. Four plates, 2 detachable handles, 4 plastic cups. Entire set nests in largest pot.  
U304 ..... wt. 4 1/2 lbs. ..... \$12.00

## KEY TO SUPPLIERS

RM	Richmoor
DL	Dri-Lite
W	Wilson
O	Oregon Freeze-Dried

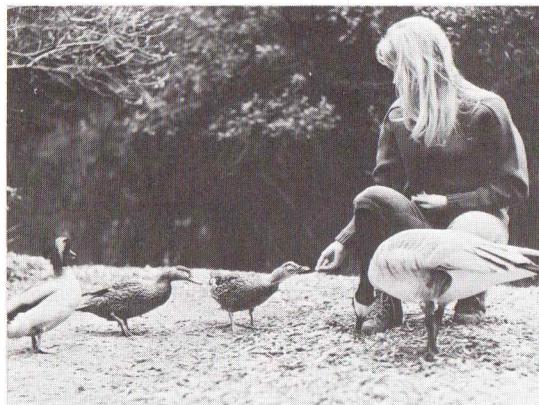
All weights are supplied by manufacturers.  
All prices are subject to change without notice.

## Discount policy:

1. 10% discount on all orders over \$100.00.
2. 20% discount on all orders over \$250.00.\*
3. 30% discount on all orders over \$500.00.\*

Please allow 3 weeks shipment on 20% and 30% discount orders.

\*Applies to Richmoor items only.



**SPORTADE.** For the active person who has worked up a sweat and needs a pick-me-up. A quick-acting food supplement which replenishes the natural body fluids which are lost during periods of activity. Sportade is presently being used by high school and college athletic teams across the country, and was used by the 1968 Olympic Team in Mexico City. Individual can is mixed with one quart of water.

Individual cans ..... wt. 3/4 oz. ..... \$ .30

**VINYL FOOD BAGS.** 5" x 11" with tie-tape closure. Heavy-duty vinyl.

U950 ..... wt. 1 1/4 oz. ..... \$ .55

**PLASTIC FOOD BAGS WITH CLIPS.** Reusable strong polyethylene bag with patented clip for airtight closure. Packaged in units of 11.

U972	2" x 4" x 12"	.....	\$ 1.75
U975	3" x 6" x 15"	.....	\$ 2.10
U978	4" x 6" x 18"	.....	\$ 2.65

**POLYETHYLENE BAGS.** Lightweight (.0015 gauge), durable, tear resistant, odorless.

U962	4" x 2" x 12"	.....	50 bags \$ .50
U965	6" x 3" x 15"	.....	50 bags \$ .75
U968	6" x 4" x 18"	.....	50 bags \$ 1.00

Item	net wt.	servings	price	Item	net wt.	servings	price
<b>BREAKFAST DISHES</b>							
Familia Birchermuesli	13 oz.	4	.92				
Eggs 'n' bac-o-bits (RM)	4 1/4 oz.	4	1.15				
Eggs 'n' bac-o-bits (RM)	2 1/2 oz.	2	.65				
Scrambled eggs (RM)	3 3/4 oz.	4	1.00				
Pancake mix (RM)	11 1/2 oz.	4	.50				
Maple syrup mix (RM)	6 1/2 oz.	4	.35				
Blueberry syrup mix (RM)	6 1/2 oz.	4	.40				
Oatmeal w/sugar and milk (RM)	10 1/2 oz.	4	.50				
Western omelette (RM)	4 1/2 oz.	4	1.15				
French toast mix (RM)	4 1/2 oz.	4	.70				
"Astro" freeze-dried eggs.							
Produced by Richmoor for the							
Apollo 12 moon flight. Butter							
has been added for even better							
tasting eggs	3 oz.	2	1.65				
<b>DINNER DISHES WITH MEAT</b>							
Creamed chicken w/noodles (DL)	11 oz.	4	2.30				
Vegetable beef stew (RM)	8 3/4 oz.	4	2.60				
Vegetable beef stew (RM)	4 1/2 oz.	2	1.60				
Chili mac w/beef (RM)	11 1/2 oz.	4	2.10				
Quick chicken rice dinner (RM)	11 oz.	4	2.05				
Quick chicken rice dinner (RM)	5 1/2 oz.	2	1.45				
Western hash w/beef (RM)	10 oz.	4	2.25				
Chili con carne ranchero (RM)	12 1/2 oz.	4	2.25				
Chili con carne ranchero (RM)	6 1/2 oz.	2	1.45				
Beef stroganoff w/noodles (RM)	12 1/2 oz.	4	2.40				
Beef stroganoff w/noodles (RM)	6 1/2 oz.	2	1.50				
Chicken à la king (RM)	6 1/2 oz.	4	1.65				
Turkey supreme w/noodles (RM)	13 1/4 oz.	4	2.35				
Sunset supper (DL)	7 1/2 oz.	4	2.25				
Spaghetti w/meatballs (RM)	13 1/2 oz.	4	2.40				
Spaghetti w/meat sauce (RM)	7 1/2 oz.	2	1.40				
Ham 'n' beans	15 oz.	4	2.55				
Ham & cheese dinner (RM)	12 oz.	4	2.35				
Freeze-dried ham & eggs (RM)	6 1/2 oz.	4	3.45				
Shrimp creole (RM)	10 1/2 oz.	4	2.60				
Corned beef (RM)	8 oz.	4	2.65				
Chicken romanoff (RM)	13 oz.	4	2.55				
Chicken pilaf (RM)	13 oz.	4	2.75				
Chicken stew (RM)	9 oz.	4	2.95				
Chicken stew (RM)	4 1/2 oz.	2	1.50				
Beef stew (O)	3 3/4 oz.	2	1.45				
Chicken stew (O)	3 1/2 oz.	2	1.35				
Beef w/rice (O)	4 1/2 oz.	2	1.30				
Pork & potatoes (O)	4 1/2 oz.	2	1.35				
Beef hash (O)	4 1/2 oz.	2	1.45				
Beef chop suey (O)	3 1/2 oz.	2	1.45				
Chicken chop suey (O)	3 1/2 oz.	2	1.45				
Chunk chicken (O)	3 1/2 oz.	2	1.25				
Beef almondin (O)	3 1/3 oz.	2	1.25				
Tuna a la neptune (O)	3 1/2 oz.	2	1.25				
Turkey tetrazzini (O)	3 1/5 oz.	2	1.25				
<b>MEATLESS DINNER DISHES</b>							
Chili 'n' beans (DL)	10 oz.	4	.88				
Spanish rice (RM)	9 1/2 oz.	4	1.10				
Vegetable stew (DL)	5 oz.	4	.88				
Macaroni & cheese (RM)	13 oz.	4	1.10				
Spaghetti w/italian sauce	13 oz.	4	1.05				
Chili w/beans (O)	5 1/2 oz.	2	1.30				
<b>RICHMOOR PACKAGED MENUS</b> — ave. wt. under 2 lbs.							
Breakfast No. 1	30 oz.	4	2.10				
instant applesauce							
pancake mix							
maple syrup mix							
sweet milk cocoa							
vegalene							
Breakfast No. 2	22 1/4 oz.	4	2.95				
orange juice drink							
eggs 'n' bac-o-bits							
hashed brown potatoes							
sweet milk cocoa							
vegalene							
Breakfast No. 3	38 1/2 oz.	4	3.45				
peach slices w/sugar							
brown 'n' serve sausage							
cornbread mix							
maple syrup mix							
sweet milk cocoa							
vegalene							
Breakfast No. 4	23 1/4 oz.	4	3.85				
instant applesauce							
scrambled eggs w/freeze-dried ham							
hashed brown potatoes							
sweet milk cocoa							
vegalene							
Breakfast No. 5	31 oz.	4	3.15				
fruit cocktail w/sugar							
western omelette							
sierra coffee cake							
sweet milk cocoa							
vegalene							
Complete Breakfast for 2	14 oz.	2	2.10				
applesauce							
eggs 'n' bac-o-bits							
potatoes o'brien							
sweet milk cocoa							
vegalene							
Lunch No. 1	19 5/8 oz.	4	2.95				
swiss cheese w/bac-o-crisps							
melba toast							
beef jerky							
fruit punch							
Lunch No. 2	30 1/2 oz.	4	2.95				
spicy apple chips							
grape jelly spread							
peanut butter spread							
pilot biscuits							
vanilla shake mix							
Lunch No. 3	35 3/8 oz.	4	3.15				
canned corned beef							
blackberry jelly spread							
pilot biscuits							
chocolate shake mix							
Lunch No. 4	36 oz.	4	3.35				
canned chopped beef							
cheddar cheese spread							
pilot biscuits							
strawberry shake mix							

Item	net wt.	servings	price
Lunch No. 5 . . . . .	25½ oz.	4	3.75
white meat tuna salad spread			
pilot biscuits			
lemon-lime fruit beverage			
Gorp trail snack			
Lunch No. 6 . . . . .	24 oz.	4	3.40
chicken salad			
pilot biscuits			
banana chips			
orange beferage			
Dinner No. 1 . . . . .	28¾ oz.	4	3.60
chicken rice soup			
chili mac w/beef			
chocolate pudding			
fruit punch beverage			
Dinner No. 2 . . . . .	27½ oz.	4	3.65
freeze dried corn			
chicken a la king			
instant mashed potatoes			
vanilla pudding			
orange beverage			
Dinner No. 3 . . . . .	37 oz.	4	4.45
tomato noodle soup			
vegetable beef stew			
dumplings (biscuit mix)			
butterscotch pudding			
pineapple-orange beverage			
Dinner No. 4 . . . . .	26¾ oz.	4	3.65
vegetable beef soup			
quick chicken rice dinner			
french apple compote			
lemon beverage			
Dinner No. 5 . . . . .	27½ oz.	4	3.80
french onion soup			
beef stroganoff w/noodles			
instant lemon pie mix			
grape beverage			
Dinner No. 6 . . . . .	32 oz.	4	4.65
beef bouillon			
chicken stew			
lemon-lime beverage			
raspberry cobbler			
Complete Dinner for 2 . . . . .	16 oz.	2	2.20
spaghetti w/meat sauce			
beef bouillon			
chocolate pudding			
fruit punch beverage			

#### OREGON FREEZE-DRIED INDIVIDUAL LUNCHES (by Tea Kettle)

Chunk chicken w/rice & carrots . . .	1¼ oz.	1	.45
Beef almondiné w/vegetables & macaroni . . .	1-1/6 oz.	1	.45
Tuna a la Neptune . . . . .	1-1/6 oz.	1	.45
Turkey Tetrazzini w/asparagus . . .	1 oz.	1	.45

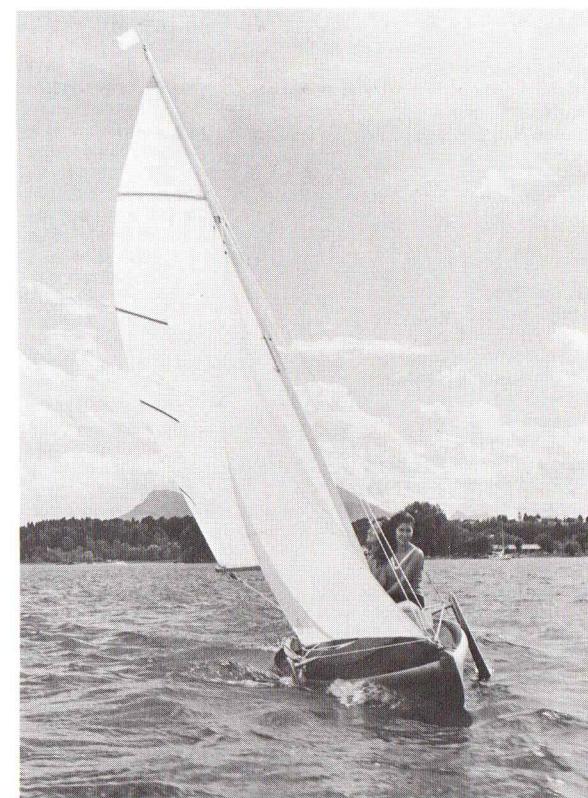
Item	net wt.	servings	price
<b>BEVERAGES</b>			
<b>Wylers fruit-ade mixes</b>			
Strawberry . . . . .	3 oz.	1 qt.	.25
Cherry . . . . .	3 oz.	1 qt.	.25
Grape . . . . .	3 oz.	1 qt.	.25
Orange . . . . .	3 oz.	1 qt.	.25
Lemonade . . . . .	3 oz.	1 qt.	.25
Pink Lemonade . . . . .	3 oz.	1 qt.	.25
Lime . . . . .	3 oz.	1 qt.	.25
Fruit Punch . . . . .	3 oz.	1 qt.	.25
Root Beer . . . . .	3 oz.	1 qt.	.25
Nestle instant cocoa . . . . .	1 oz.	1	.85/dz.
Freeze-dried coffee (in can) . . . . .	2 oz.	40 cups	1.00
Freeze-dried coffee (foil packet) . . . . .	1.2 gm.	1 cup	.05
Freeze-dried orange juice drink (RM) . . . . .	5 oz.	1 qt.	.75
Grapefruit juice drink (RM) . . . . .	5 oz.	1 qt.	.85
Pineapple juice drink (RM) . . . . .	5 oz.	1 qt.	.75
Instant tomato juice (RM) . . . . .	2½ oz.	¾ qt.	.40
Chocolate shake (RM) . . . . .	10¾ oz.	4	.70
Strawberry shake (RM) . . . . .	10 oz.	4	.65
Vanilla shake (RM) . . . . .	10 oz.	4	.65
<b>MEATS</b>			
Beef jerky . . . . .	1 oz.		\$ .79
Beef jerky . . . . .	4 oz.		1.83
Beef jerky . . . . .	8 oz.		3.65
Beef jerky . . . . .	16 oz.		7.30
Beef steaks (W) . . . . .	2 oz.	2	2.50
Pork chops (W) . . . . .	2 oz.	2	1.50
Hamburgers (W) . . . . .	3¼ oz.	2	2.00
Diced Ham (W) . . . . .	1 oz.	2	.69
Beef patties (W) . . . . .	2 oz.	2	1.35
Pork patties (W) . . . . .	2 oz.	2	1.50
Meatballs (W) . . . . .	1¾ oz.	2	1.15
Meat bars (W) . . . . .	3 oz.		1.40
Bacon bars (W) . . . . .	3 oz.		1.18
Ground hamburger (RM) for use as an additive . . . . .	1½ oz.		1.10
Freeze-dried chicken (RM) for use as an additive . . . . .	1½ oz.		1.10
Freeze-dried beef (RM) for use as an additive . . . . .	1¼ oz.		1.20
Freeze-dried ham (RM) for use as an additive . . . . .	1¼ oz.		1.55
Freeze-dried corned beef for use as an additive . . . . .	1¼ oz.		1.70
Diced Chicken (RM) for use as an additive . . . . .	1½ oz.		.90

photo/Steve Miller



Item	net wt.	servings	price	Item	net wt.	servings	price
<b>FRUITS, SALADS AND DESSERTS</b>							
Sierra salad (gelatin mix) (DL) ....	4 oz.	4	.55	Crunchy peanut butter (RM) ....	4 oz.		.55
Fruit salad (DL) .....	6 oz.	4	.70	Grape jelly (RM) ....	2½ oz.		.30
Tuna salad (RM) ....	3 oz.	4	2.00	Blackberry jelly (RM) ....	2½ oz.		.30
French apple compote (RM) ....	5½ oz.	4	.60	Smoky Bac-O Chiplets ....	5 oz.		.55
Wild cherry gel-dessert (RM) ....	5¼ oz.	4	.40	"Gorp" (nuts, chocolate, raisins) (RM) ....	6 oz.		.70
Puddings:				"Gorp" ....	2½ oz.		.35
Chocolate (RM) ....	6 oz.	4	.55	Trail snack (RM) ....	10 oz.	2	1.75
Chocolate (RM) ....	3½ oz.	2	.35	2 chocolate bars			
Toasted coconut (RM) ....	5½ oz.	4	.45	2 quick-energy bars			
Lemon (RM) ....	6 oz.	4	.45	beef jerky			
Vanilla (RM) ....	5 oz.	4	.45	trail cookies			
Butterscotch (RM) ....	5 oz.	4	.45				
Banana creme (RM) ....	6 oz.	4	.55				
Chocolate creme pie (RM) ....	11½ oz.	4	.80				
Lemon pie (RM) ....	10½ oz.	4	.65				
Raspberry cobbler (RM) ....	11½ oz.	4	.95				
Blueberry cobbler (RM) ....	11½ oz.	4	.95				
Pineapple cheesecake (RM) ....	12 oz.	4	.95				
Fudge brownies w/nuts (RM) ....	11¾ oz.	4	.85				
Apricot slices w/sugar (RM) ....	6 oz.	4	.95				
Peach slices w/sugar (RM) ....	6 oz.	4	.95				
Fruit cocktail w/sugar (RM) ....	6 oz.	4	.90				
Instant applesauce w/sugar (RM) ...	4½ oz.	4	.60				
Instant applesauce (RM) ....	2¾ oz.	2	.40				
Spiced apple chips (RM) ....	3½ oz.	4	.80				
Crunchy banana chips (RM) ....	4 oz.	4	.60				
Rainbow fruit chips (RM) ....	4 oz.	4	.80				
Fruit mix (RM) ....	4 oz.	4	.75				
Apple slices (RM) ....	4 oz.	4	.75				
Pear slices (RM) ....	4 oz.	4	.60				
Pineapple (RM) ....	6 oz.	4	.80				
Strawberries (sliced) (O) ....	1 oz.	2	.62				
Plums (sliced) (O) ....	2 oz.	2	.48				
Peaches (sliced) (O) ....	1 oz.	2	.48				
Pears (sliced) (O) ....	1 oz.	2	.48				
<b>HIGH ENERGY LUNCH AND SNACK FOODS</b>							
Hershey tropical no-melt chocolate	1 oz.	1	2.15				
H&M Kwik-lunch .....	4 oz.	1	.70				
H&M pemmican fruit bar .....	1 oz.	1	.17				
H&M trail biscuits (pkg. of 8) ....	5 oz.		.35				
H&M chocolate malt tabs ....	4 oz.		.40				
H&M cherry sucrose drops ....	4 oz.		.30				
Ricola Swiss herb candy ....	3 oz.		.50				
Tex-schmelz traubenzucker							
lemon or chocolate candy ....	2 oz.		.25				
Semi-sweet chocolate ....	8 oz.		.55				
Cheddar cheese spread (RM) ....	4 oz.		.80				
Instant egg salad spread (RM) ....	4¾ oz.		1.40				
Instant ham salad spread (RM) ....	5 oz.		2.15				
Instant chicken salad spread (RM) ..	3¾ oz.		1.65				
Swiss cheese w/bac-o-crisps (RM) ..	4½ oz.		.75				
<b>MISCELLANEOUS ITEMS</b>							
Darigold canned butter ....	16 oz.		\$1.75				
Sourdough starter ....	½ oz.		1.00				
Gravy quick ....	1½ oz.		.21				
Vegalene ....	4 oz.		.75				
Biscuit mix (RM) ....	11½ oz.	4	.45				
Cornbread mix (RM) ....	10 oz.	4	.45				
Pilot biscuits (RM) ....	10 oz.		.70				
Beef flavored brown gravy (RM) ...	2 oz.		.35				

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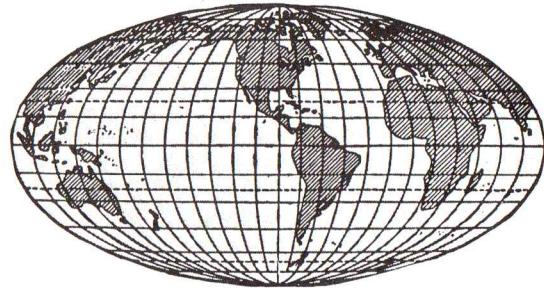
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Sequoia/Kings Canyon	\$ 1.00
Yellowstone	\$ 1.00
Yosemite National Park	\$ 1.00
Yosemite Valley	\$ 1.00
Zion (Kolob Section)	\$ 1.00
Zion (Zion Canyon)	\$ 1.50

## MOUNT TAMALPAIS

TRAIL MAP ..... \$ .65

**MOUNT McKINLEY MAP.** An extremely precise topographical shaded relief map representing many years of careful survey and research. Printed by the Swiss Federal Institute of Topography . . . . . \$ 2.00

**CLEAR CONTACT PLASTIC FOR MAPS.** Transparent plastic sheeting with adhesive on one side. Will protect maps against damage from water or wear. Remove paper backing from plastic sheet and apply to map surface with slight pressure. Gross weight with backing: 4 oz. per yard. 18" wide.

**MUIR TRAIL MAPS.** U.S.G.S. topographical maps covering the John Muir Trail and related areas from Tuolumne Meadows to Whitney Portal. Maps shipped rolled.

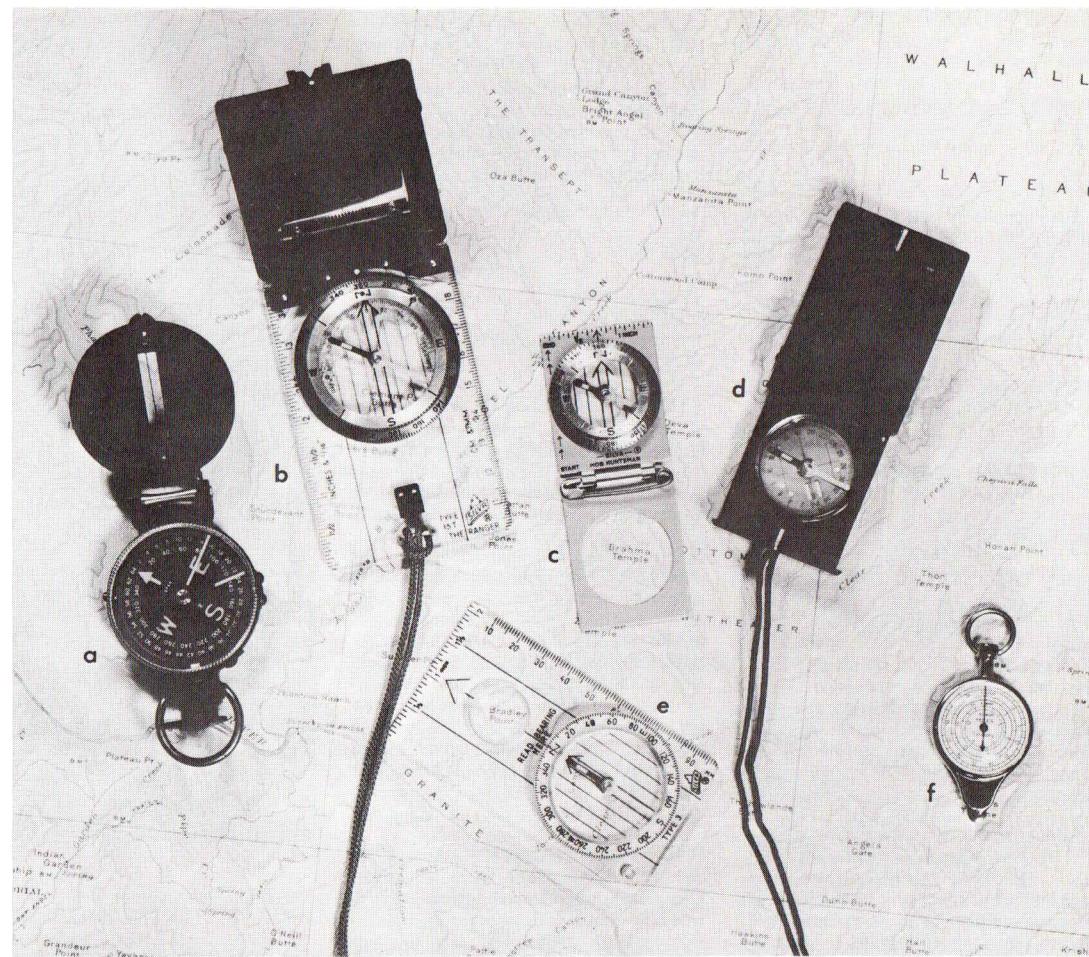
Portal. Maps shipped rolled.	
<b>Complete Set (including</b>	
<b>Yosemite Park Map)</b>	<b>\$ 6.50</b>
<b>Individual Quads</b>	
Tuolumne Meadows	\$ .50
Mono Craters	\$ .50
Devils Postpile	\$ .50
Mt. Morrison	\$ .50
Mt. Abbot	\$ .50
Blackcap Mtn.	\$ .50
Mt. Goddard	\$ .50
Big Pine	\$ .50
Mt. Pinchot	\$ .50
Mt. Whitney	\$ .50
Lone Pine	\$ .50

**CANADIAN  
TOPOGRAPHICAL MAPS**

8204	.. Banff, East	.....	\$ 1.00
8205	.. Banff, West	.....	\$ 1.00
82N8	.. Lake Louise E/W	..	\$ 1.75
MCR211	Waterton Lakes	..	\$ 1.00
82N/SE	Yoho	.....	\$ 1.00
82N/NE	Mistaya	.....	\$ 1.00
82N/SW	Glacier Park	.....	\$ 1.00
IK	.. Southwest B.C.	..	\$ 1.00
93D	.. Bella Coola	.....	\$ 1.00
92K	.. Butte Inlet	.....	\$ 1.00
92N	.. Mt. Waddington	..	\$ 1.00
92M	.. Rivers Inlet	.....	\$ 1.00
115B/D	St. Elias	.....	\$ 1.00
MCR204	Jasper Park N.	..	\$ 1.00
MCR205	Jasper Park S.	..	\$ 1.00

**MAP CASES.** Clear plastic pouch with slide closure.

<b>G206/1216</b>	12" x 16"	..\$	.70
<b>G206/913</b>	9½" x 13"	..\$	.60
<b>G206/811</b>	8" x 11"	..\$	.45



- a **LENSATIC COMPASS.** Engineer's type compass with sighting device for taking azimuth readings. Small magnifying glass gives degree reading off compass face while sighting. Inexpensive, sturdy and lightweight.

**b SILVA RANGER.** Lighting mirror for speed and accuracy. Sapphire jewel bearing. Highly magnetized needle encased in liquid. Luminous points. Waterproof. Appraised by many as the world's best hand compass. Used by surveyors and scientific explorers. Size 4" x 2½" x ¾".

c **SILVA HUNTSMAN.** Sapphire jewel bearing. Liquid filled housing stops needle oscillation within 4 seconds. Luminous points. Waterproof. Closed cover serves as sun dial; open cover shows 360° graduations. Safety pin fastener attached. 1½" x 2" x 3/8".  
**J300** ..... wt. 1 oz. ..... \$ 6.50

**d SILVA PROSPECTOR.** Luminous points. Sapphire jewel bearing. Waterproof. Graduated 0° to 360°. Liquid filled housing is fitted into a drawer. Declination can be set off for any area. Closed size 2-5/8" x 1-7/8" x 13/16".

e **SILVA EXPLORER III.** Sapphire jewel bearing. Liquid filled housing stops oscillation within 4 seconds. Waterproof. Professional quality. Especially for use with maps. Size 2-1/8" x 2-15/16" x 1/2".

**f MAP MEASURER.** Direct reading: no conversion charts needed for any standard domestic maps. 1:62500, 1:31680 and 1:24000 scale maps can be read simply by running the little wheel over the distance to be measured; mileage will appear directly on the dial. Reverse dial for other scales. Precision made. 2-7/8" long. Nickel plated.

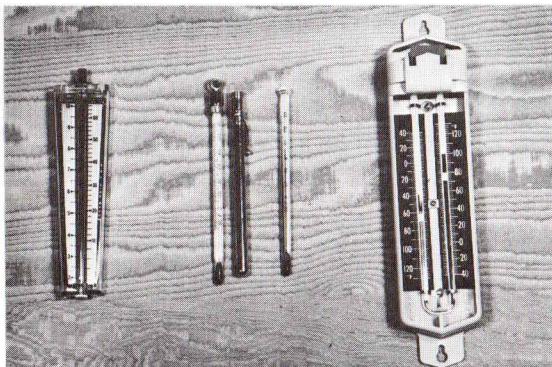


**NEW HAVEN PEDOMETER.** Registers up to 100 miles. Has clip for fastening directly to belt. 90-day factory guarantee against all defects in material and workmanship. Polished nickel chrome finish.

J202 ..... wt. 3 oz. ..... \$ 8.00

**THOMMENS HIGH ALTITUDE ALTIMETER.** Reads up to 21,000 feet with accuracy of about 30 feet within the entire range. Compensated for temperature changes. Instrument has a barometric scale with a range of 22.5" to 31" of mercury. Comes in leather case. Size 2-7/8" x 2-1/2" x 7/8".

J203 ..... wt. 3 oz. ..... \$63.00



**WIND METER.** Accuracy of 1/2 mile/hr. on low scale and 3 miles/hr. on high scale. Dual range scale reads from 0 to 60 miles/hr. Precision die molded of acrylic plastic. Size: 8" x 3" x 1/2".

J204 ..... wt. 2 1/2 oz. ..... \$ 6.00

**THERMOMETER.** Ideal for mountaineers and campers. Range of -30° F. to 130° F. Comes in a metal case 6 1/4" long, 3/8" diameter (about pencil size) with pocket clip and carrying ring.

J205 ..... wt. 1 1/2 oz. ..... \$ 3.50

**GLASS STEM REPLACEMENT TUBE** for above thermometer.

J205/R ..... \$ 2.75

**MAX-MIN THERMOMETER.** Has a range from -30° F. to 130° F. This instrument will record the lowest temperature and the highest temperature from the time of its last setting. Easy to reset. Small size: 2-3/8" x 10 1/2" x 1 1/4".

J206 ..... wt. 6 oz. ..... \$13.00

**BUSHNELL CUSTOM COMPACT BINOCULARS.** Selected by NASA scientists for use in Gemini space flights, this is the finest compact binocular we have ever seen. Three inches high and weighing only 11 ounces, the Custom Compact easily fits into jacket or shirt pocket. Featuring superb optics, rugged construction and extendable eye cups that give a full field of vision with or without glasses. Clarity and brilliance are unsurpassed. Comes in soft zippered carrying case of top-grade black cowhide. Twenty-year factory warranty on parts and service. Center focus.

6 x 25 — 6 times magnification. Field of view at 1,000 yards: 420'.

J405 ..... wt. 11 oz. ..... \$69.50

7 x 26 — 7 times magnification. Field of view at 1,000 yards: 368'.

J406 ..... wt. 11 oz. ..... \$74.50



**BUSHNELL 7 x 18 PRISMATIC BINOCULARS.** For those who go light: mountaineers, backpackers or light-weight travelers. Bushnell quality throughout. Center focus. Feather-light, palm/pocket size. 7 times magnification. Includes soft leather carrying case. Bushnell 20-year factory warranty.

J403 ..... wt. 6 oz. ..... \$29.50



**BUSHNELL MONOCULAR.** A small (3 1/2") prismatic scope made to Bushnell standards of precision and quality. Fully coated lenses and prisms project crisp, brilliant, distortion-free views. Comes with two readily interchangeable lenses: 8 power, 24 mm, wide view lens gives a 437' viewing circle at 1,000 yards; 6 power, 18 mm, extra-wide view lens gives a 577' viewing circle (equal to widest angle binoculars) at 1,000 yards. Either lens may be used alone as a magnifying glass. Soft, zippered carrying case, wrist strap, and protective lens caps are included. Five-year factory warranty.

J401 ..... wt. 4 oz. ..... \$19.95



**ALARM WRIST WATCH.** Swiss made. Sweep second hand. Stainless steel case. 17 jewels. Antimagnetic incabloc. Unbreakable mainspring. Buzz alarm will run for 15 seconds. Leather wrist band. Watch size 1-3/8" diameter x 3/8". One-year factory guarantee.

J105 ..... wt. 1 1/2 oz. ..... \$55.00



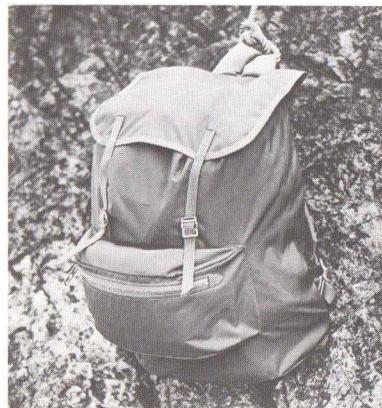


**TRAILWISE KNAPSACK.** Popular low-priced knapsack of water-repellent canvas. Two outside zipper pockets. Main flap is held closed by a bag snap. Measures 6" x 14" x 16". Adjustable waist and shoulder straps. Colors: red, green, sage.

R600 ..... wt. 18 oz. ..... \$ 6.50

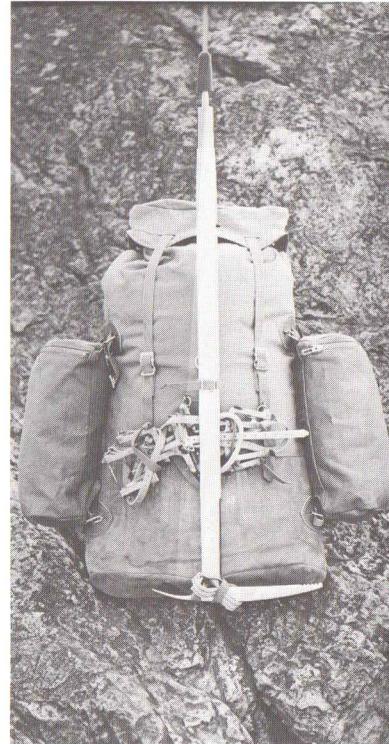
**JUNIOR KNAPSACK.** An inexpensive children's pack. This small knapsack (11" x 12") has a patch pocket located on the outside under flap. Adjustable waist and shoulder straps. Water-repellent canvas. Colors: red, green, sage.

R601 ..... wt. 9 oz. ..... \$ 3.50



**SAC MILLET MODEL 365.** A lightweight rucksack for day trips. Urethane-coated nylon with reinforced seams. Rigid contoured back panel with steel bow and nylon band at bottom. Nylon waist band and padded shoulder straps. Sack measures 5" x 13" x 18". Zippered back pocket. Colors: red or blue.

R311 ..... wt. 27 oz. ..... \$17.50



**SAC MILLET MODEL 370.** Heavy water-repellent cotton canvas with suede leather bottom. Frame is rigid contoured back panel extending height of pack, crossed at bottom by steel bow and nylon band. Reinforced at tension points. Nylon waist band and padded nylon shoulder straps. Main sack measures 6" x 16" x 25". Inside back pocket. Accessory straps and patches for carrying skis. Inner and outer flap pockets. Accessory straps for ice axe, crampons, rope, etc. Blue canvas with grey leather.

R310 ..... wt. 4 1/4 lbs. ..... \$32.50

R310/p Detachable side pockets  
as in photo ..... pr. \$ 6.50



**KELTY PACKS** feature a lightweight frame of welded aluminum. Padded shoulder straps. Two 5" wide back bands maintain clearance. Upper band is nylon mesh, lower band has padded section. 2" nylon waist strap with quick-release buckle. Bag fastens to frame with clevis pins and attaching wires. Small frame fits persons under 5' 3"; medium fits 5' 3" to 5' 7"; large fits 5' 7" to 6' and x-large fits 6' and over. Kelty packbags are made of Zelan-treated nylon for water repellency and come in four sizes corresponding to frame size: small—16" x 14" x 8"; medium—18" x 14" x 8"; large—20" x 15" x 9"; and x-large—22" x 15" x 9".

**Model A-4.** Popular 3/4-length bag divided into upper and lower sections. Upper section is again divided into three vertical compartments. Four outer pockets. Metal zippers. Does not include stuffbag. Sizes: S, M, L, XL. Color: green.

R503 ,  
(bag and frame) ave. wt. 57 oz. \$53.00

**Model B-4.** Same dimensions as Model A-4, but without partitions for those who prefer an open-style packbag. Does not include stuffbag. Sizes: S, M, L, XL. Color: green.

R502  
(bag and frame) ave. wt. 55 oz. \$48.00

**KELTY STUFFBAGS** are sold separately and are made of the same material as the Kelty packbags.

R510 9" x 17" wt. 3/4 oz. . \$ 4.00  
R511 10" x 18" . wt. 4 oz. . \$ 4.00  
R512 11" x 19" wt. 4 1/2 oz. . \$ 4.00

**KELTY PACK RAIN COVER.** A waterproof nylon cover that fits over pack to provide rain protection. Specify frame and bag size.

R513 ..... wt. 4 oz. ..... \$ 5.00

**KELTY FRAME EXTENSION.** Adds 6" to frame height. Specify frame size.

R514 ..... wt. 6 oz. ..... \$ 3.85

**KELTY ACCESSORY STRAPS.** 5/8" wide nylon with buckle.

R5153 36" . wt. 1 1/2 oz. . pr. \$ .85  
R5154 42" . wt. 2 oz. . pr. \$ .90

**CRUISER FRAME.** Low cost aluminum contoured frame with welded joints. Padded, nylon-covered shoulder straps. Two 5" wide nylon back bands. Drilled for mounting Cruiser bags.

Medium (for those under 5' 5")

R400/m ... wt. 26 oz. .... \$13.50

Large (for those over 5' 5")

R400/l ... wt. 28 oz. .... \$13.50

**CRUISER RIDGELINE PACKBAG.** Made of water-repellent cotton duck. Three outside pockets. Sockets and straps for mounting on Cruiser frame. Color: tan.

Medium (17½" x 14" x 7")

R401/m ... wt. 18 oz. .... \$12.50

Large (21" x 14" x 7")

R401/l ... wt. 20 oz. .... \$12.50

**CRUISER SKYLINE PACKBAG.** Made of waterproof urethane-coated nylon. Bag is divided into upper and lower compartments. Five outside pockets with zipper closures. Spreader bar. Map pocket. Pin mounts to Cruiser frame. Colors: green or orange.

Medium (18" x 15" x 7")

R402/m ... wt. 22 oz. .... \$28.25

Large (22" x 15" x 7")

R402/l ... wt. 24 oz. .... \$28.25

**CRUISER WAIST STRAPS.**

R403 ... wt. 3 oz. .... \$ 2.00



**ALP SPORT ROCK CLIMBER STANDARD.** This teardrop-shaped pack is 16" high, and divided into upper and lower compartments. 6" x 12" leather bottom. Capacity 10 to 15 lbs. Ice axe carrier, two accessory strap holders on the bottom, nylon hauling loop and waist strap. Urethane-coated waterproof nylon. Colors: orange or turf.

R201 ... wt. 24 oz. .... \$18.00

**ALP SPORT ROCK CLIMBER SPECIAL.** The same shape and design as the Standard, but on a larger scale. 18" high, with a 7" x 14" bottom. Designed to carry 20 to 25 lbs.—nearly twice the capacity of the Standard. Colors: orange or turf.

R202 ... wt. 25 oz. .... \$20.00

**ALP SPORT DAY PACKS.** Same design and size as the Rock Climber models except that they do not have leather bottoms. Colors: orange or turf.

R206-Jr. ... wt. 14 oz. .... \$13.00

R207-Sr. ... wt. 15 oz. .... \$14.50

**ALP SPORT EIGER STANDARD.** An ideal rucksack for weekend trips and extended rock climbs. Removable aluminum stays can be bent to conform to the wearer's back. 7" x 14" leather bottom, height 19". Capacity 30 to 35 lbs. Two side pockets and large pocket in flap covered with nylon zippers. Ice axe carrier, two accessory strap holders, nylon hauling handle, waistband. Material is urethane-coated nylon duck. Colors: orange or turf.

R203 ... wt. 37 oz. .... \$29.00

**ALP SPORT SKI-MOUNTAINEERING PACK.** Identical to the Eiger Standard, with the addition of leather-reinforced ski carrying slots.

R204 ... wt. 40 oz. .... \$32.50

# TRAILWISE PACK FRAME ACCESSORIES

**TRAILWISE PADDED WAIST BELT.** Deluxe full circle waist belt is nylon web, padded with Ensolite, and covered with nylon duck. The most effective and comfortable waist belt made. Specify waist size.

R109/m for small and medium frames wt. 4½ oz. \$ 5.00  
R109/l for large frames ..... wt. 5 oz. . \$ 5.00

**TRAILWISE SHOULDER YOKE.** Crossover straps to fit Trailwise contour frame. All nylon with Ensolite padding. Two-way adjustment for perfect fit. Tabler buckles allow effortless adjustment of straps, even when wearing pack.

R102 ..... wt. 8 oz. ..... \$ 8.00

**NYLON MESH BACK.** Strong gauge nylon mesh. Grommets installed along edges and corners for lacing to frame. Lace included.

R104/s ..... 11" x 15" ..... wt. 3½ oz. ..... \$ 6.00  
R104/m ..... 11" x 17" ..... wt. 3¾ oz. ..... \$ 6.00  
R104/l ..... 12½" x 19¾" ..... wt. 4½ oz. ..... \$ 6.00

**SUPPORT TUBE.** U-shaped aluminum tube used to keep tops of Trailwise pack bags open. Specify medium or large.

R105 ..... wt. 2 oz. ..... \$ 1.75

**CLEVIS PINS.** 1¼" long. Includes keeper ring.

R110 ..... pr. \$ .35

**ALUMINUM EYE BOLTS.** For attaching pack bags to Trailwise frames.

R111 ..... ea. \$ .10

**ELASTIC SHOCK CORD LOOP.** For attaching stuffsack to frame.

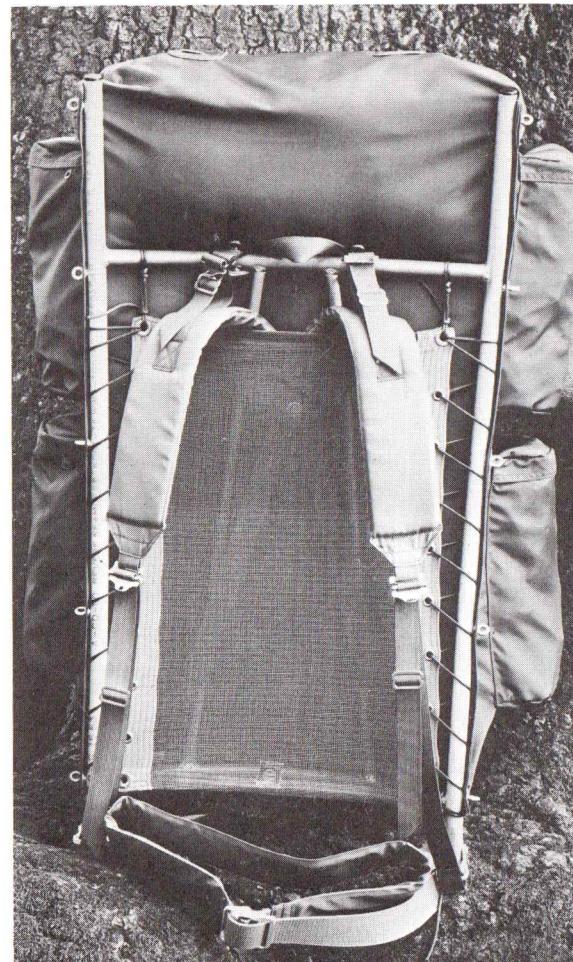
R112 ..... 1½ oz. ..... \$ .50

**TRAILWISE HEAVY DUTY STUFF BAG.** Made of waterproof urethane-coated nylon duck, as used in Trailwise packs. Size 8" x 17". Colors: blue or brown.

R121 ..... wt. 5 oz. ..... \$ 3.50

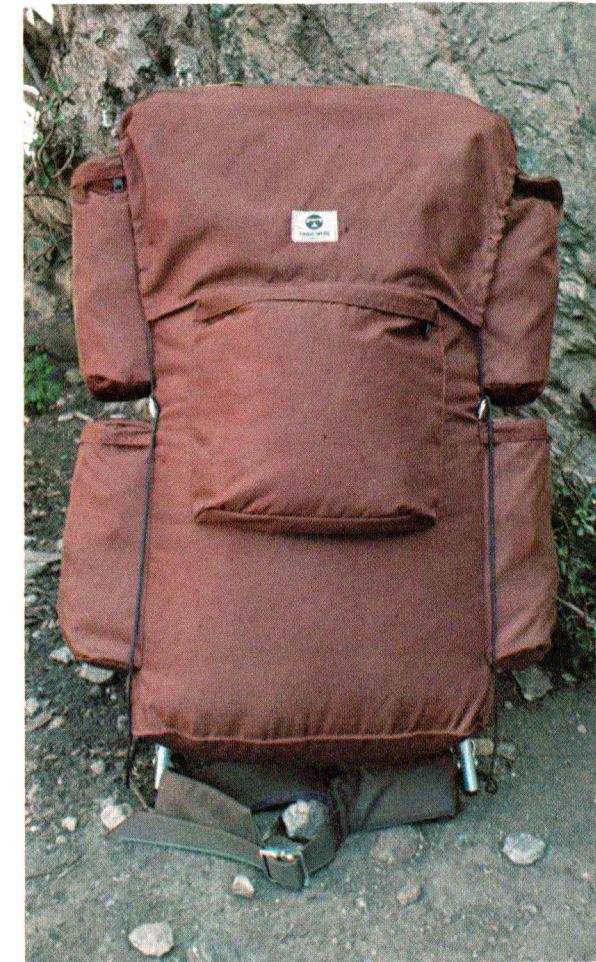
**PLASTIC CAPS.** Fit frame ends.

R106 ..... wt. ½ oz. ..... \$ .05



**TRAILWISE CONTOUR FRAME.** Rugged aluminum alloy; contour plus taper. Features adjustable, Ensolite-padded cross straps which give excellent weight distribution, reducing the localized pressure on shoulders inherent in all ordinary shoulder strap suspensions. Full nylon mesh back further distributes weight and allows maximum air circulation between pack and wearer. Full circle padded waist belt comfortably transfers most of weight to hips when desired. Nylon hauling strap securely fastened to frame. Riv-nuts placed on sides of frame for mounting Trailwise pack bags.

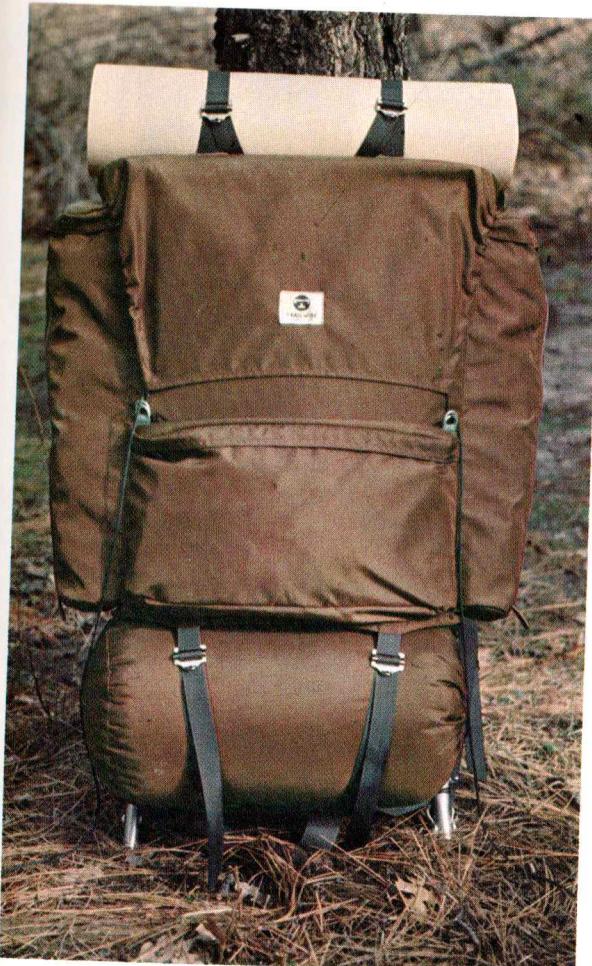
R101/s (small) ..... wt. 35 oz. ..... \$28.50  
R101/m (medium) ..... wt. 37 oz. ..... \$28.50  
R101/l (large) ..... wt. 40 oz. ..... \$28.50  
(Small frame fits persons from 5' to 5' 6", medium from 5' 6" to 5' 11", large 5' 11" and over.)



**TRAILWISE PACK BAG MODEL 72.** Single spacious sack, roomy enough to hold all your gear for an extended outing. Side mounted. Made of waterproof heavy-duty urethane-coated nylon duck. Five outer pockets with covered nylon zippers. Aluminum tube holds top of bag open for easy access. Large size measures 17" x 29" x 8". Medium and small sizes approximately 1" smaller. Total volume for large size is 4429 cu. in. Colors: blue, brown or orange.

R172/s (small frame only) ..... wt. 22 oz. ..... \$26.00  
R172/m (medium frame only) ..... wt. 23 oz. ..... 26.00  
R172/l (large frame only) ..... wt. 25 oz. ..... 26.00

**TRAILWISE PACK BAG 72 MOUNTED ON TRAILWISE CONTOUR FRAME.**  
R172/X (Specify size) ..... ave. wt. 61 oz. ..... \$53.00



**TRAILWISE PACK BAG MODEL 73.** Three-quarter length undivided sack. Center of gravity may be raised or lowered by changing position of sack on frame. Fully equipped with 8" x 17" waterproof sack for sleeping bag and 4 nylon accessory straps. Large side pockets measure 2 1/4" x 6" x 18" with vertical nylon zipper. Large bag measures 8" x 16" x 21 1/2" with a total capacity of 3476 cu. in. (including pockets). Made of heavy-duty urethane-coated nylon duck. Colors: blue, brown or orange.

R173/s (small frame only) ..... wt. 24 oz. .... \$26.00  
 R173/m (medium frame only) ... wt. 25 oz. .... \$26.00  
 R173/l (large frame only) ..... wt. 28 oz. .... \$26.00

**TRAILWISE PACK BAG 73 MOUNTED ON TRAILWISE CONTOUR FRAME.**  
 R173/X (Specify size) .... ave. wt. 62 1/2 oz. .... \$53.00



**TRAILWISE PACK BAG MODEL 74.** Three-quarter length sack divided into upper and lower compartments. 6" lower compartment is accessible through 17" wide zippered opening. Side mounted. Center of gravity may be raised or lowered by changing position of sack on frame. Sleeping bag is carried in heavy-duty 8" x 17" waterproof stuff bag and mounted either above or below main sack. Two outer pockets with covered nylon zippers measure 3" x 6" x 11". Large size bag measures 8" x 16" x 21 1/2" with a total capacity of 3022 cu. in. Made of heavy-duty urethane-coated nylon duck. Colors: blue, brown or orange.

R174/s (small frame only) ..... wt. 23 oz. .... \$26.00  
 R174/m (medium frame only) ... wt. 24 oz. .... \$26.00  
 R174/l (large frame only) ..... wt. 26 oz. .... \$26.00

**TRAILWISE PACK BAG 74 MOUNTED ON TRAILWISE CONTOUR FRAME.**  
 R174/X (Specify size) .... ave. wt. 62 oz. .... \$53.00

## TRAILWISE PACKFRAMES AND BAGS

Trailwise packframes are designed and constructed with comfort, durability and lightness as the foremost considerations.

A packframe that is comfortable to wear is the result of (1) a well contoured and shaped frame and packbag that place the load as close to the body as is practical, (2) a padded suspension system that allows the majority of the load weight to be placed directly on the hips, and (3) a full mesh back panel, originated by Trailwise, which distributes weight and allows maximum air circulation between pack and wearer.

The Trailwise contour frame shapes the load around the back and extends the effective carrying area of the back, both in width and in height.

The Trailwise frame is constructed of a non-corrosive, aluminum alloy thick-wall tubing. All parts of the frame contribute to its structural strength because there are no loose or unwelded parts. Every joint is heli-arc welded. The Trailwise packbag is attached to the frame with aluminum and steel eyebolts and aluminum Rivnuts. This combination of eyebolt and Rivnut attachment has a strength advantage over the usual clevis pin and wire attachment in that the frame need only be drilled from one side, plus the Rivnut helps to reinforce this hole. The eyebolts can be used as lashing points.

The three-quarter length packbags can be mounted in either a high or a low position on the frame depending on where the center of gravity of the load is desired. The high position is used for maximum loads on a relatively smooth trail, and the low position is used for climbing or for rough terrain where balance becomes an important consideration. Both the full length packbag and the three-quarter length packbags extend the full width of the frame.

### PACKFRAME ADJUSTING INSTRUCTIONS

The following steps should be taken when adjusting the suspension system of the Trailwise packframe:

- Step 1: The padded hip belt should encircle the hips below the waist and on the flare of the hips and buttocks. Belt placement can be assisted by leaning forward slightly and hunching up the packframe with the back and shoulders until the belt is in the proper position. Cinch up the belt.
- Step 2: Release the slide fasteners on the yoke back straps. Move the yoke assembly forward or backward to that point where the tabs connected to the yoke are slightly forward of the center of the shoulders. Reset the slide fasteners. This adjustment need only be made on the initial fitting of the packframe.
- Step 3: Pull down on the clevis straps until pressure from the yoke is felt on the top of the shoulders.
- Step 4: Pull forward on the yoke tabs to bring the mesh back panel up snug against the back.
- Step 5: Release the clevis straps slightly. This should allow the packframe to settle down on the hips.

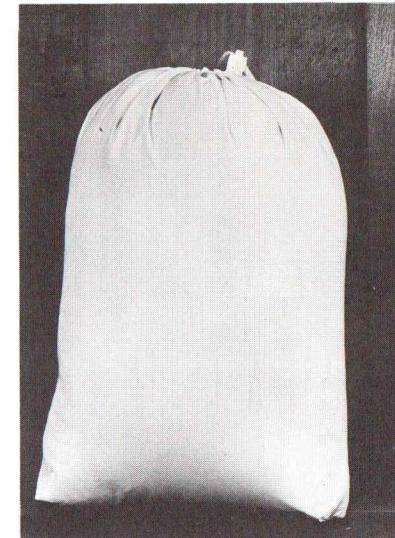


**GERRY KIDDIE PACK.** Deluxe "featherfloat" suspension with padded shoulder yoke extending padding completely across shoulders. Tubular aluminum cantilever frame. Carrying sack of washable duck. Seat height is adjustable with

storage space underneath. Waist safety strap holds infant securely. Wide backband transmits part of load to hips. For babies 4 months to 3 years. Color: blue. R811 . . . . . wt. 24 oz. . . . . . \$16.00

**TRAILWISE STUFF BAGS.** Made of lightweight coated waterproof nylon. Drawcord closure with nylon slide lock.

<b>R120/46</b>	4" x 6" . . . . .	wt. 1 oz. . . . .	\$ 1.25
<b>R120/510</b>	5" x 10" . . . . .	wt. 1½ oz. . . . .	\$ 1.40
<b>R120/711</b>	7" x 11" . . . . .	wt. 2 oz. . . . .	\$ 1.50
<b>R120/718</b>	7" x 18" . . . . .	wt. 2½ oz. . . . .	\$ 1.95
<b>R120/722</b>	7" x 22" . . . . .	wt. 2½ oz. . . . .	\$ 2.50
<b>R120/918</b>	9" x 18" . . . . .	wt. 2½ oz. . . . .	\$ 2.50
<b>R120/921</b>	9" x 21" . . . . .	wt. 2¾ oz. . . . .	\$ 2.75
<b>R120/1121</b>	11" x 21" . . . . .	wt. 3 oz. . . . .	\$ 3.00



**TRAILWISE SKIER'S BELT BAG.** Made of urethane-coated nylon duck, with adjustable belt of nylon web. Contoured to fit the body. Nylon zipper. A handy bag for camera, lunch, wax, goggles, etc. Size 12½" x 4½". Colors: blue or brown.

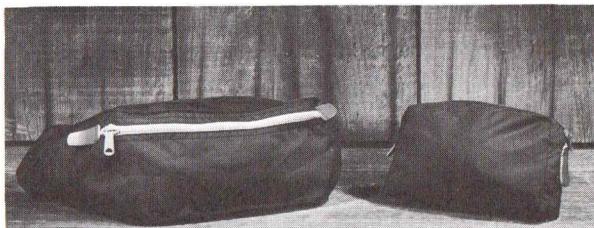
R118 . . . . . wt. 6 oz. . . . . . \$ 6.95

**TRAILWISE NYLON BELT POUCH.** A convenient and easily accessible pouch for snacks, glasses, first aid material, etc. Made of waterproof nylon duck. Nylon zipper and belt loops. Size 4½" x 7½" x 2". Colors: blue or brown.

R113 . . . . . wt. 2 oz. . . . . . \$ 3.50

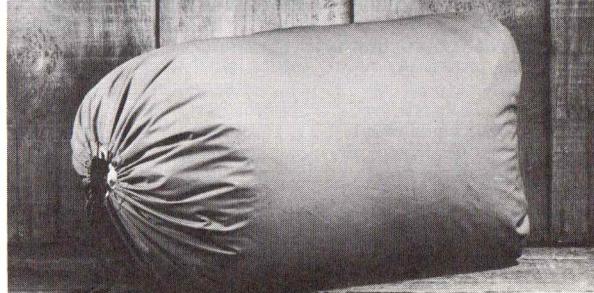
**TRAILWISE NYLON ZIPPER DUFFLE.** Strong and light. Full length nylon zipper. Urethane-coated nylon duck with wrap-around nylon web handles. Nylon web handles on both ends. Size 14" x 30". Colors: blue or brown.

R119 . . . . . wt. 16 oz. . . . . . \$14.50



**DUFFLE BAG.** Inexpensive bag, ideal for river trips or travel in wet country. Made of rubberized cotton fabric, with sealed seams. Drawcord closure. Round bottom. Size 15" x 30".

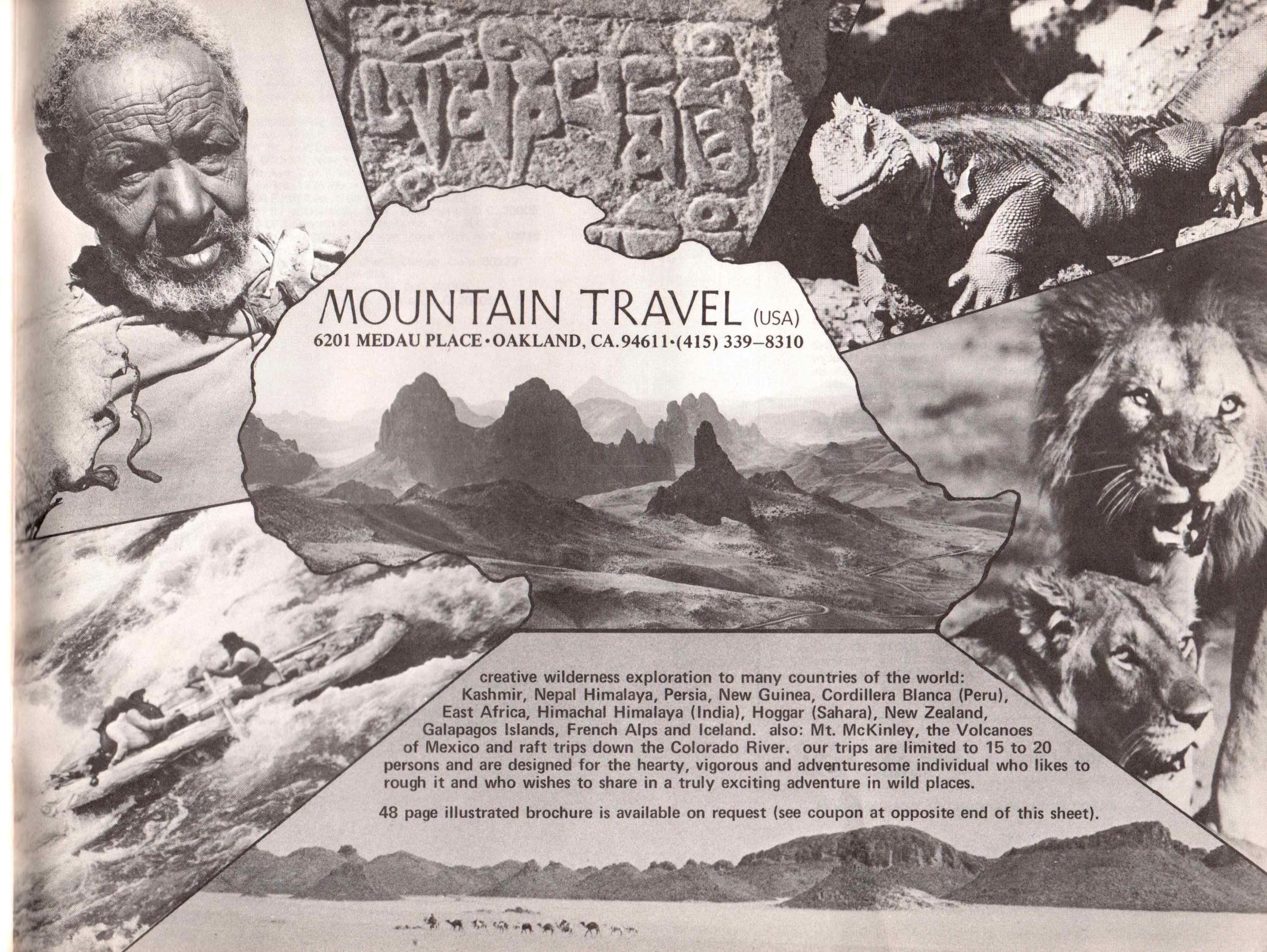
R605 . . . . . wt. 17 oz. . . . . . \$ 1.75



**TRAILWISE SHOULDER PADS.** 3/8" Ensolite: firm, comfortable padding covered with nylon duck. For straps up to 2½" wide. Pads are 10" long.

R107 . . . . . wt. 2 oz. . . . . . pr. \$ 2.50





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rough it and who wishes to share in a truly exciting adventure in wild places.

48 page illustrated brochure is available on request (see coupon at opposite end of this sheet).

Our wilderness continues to diminish, and not only the quality, but the very continuance of life is at stake. We of The Ski Hut staff urge you to support the organizations listed below in preserving our environment. They know who the spoilers are and how to direct the battle. Stand up and be counted—join those who are fighting to save what is left.

California Tomorrow, Monadnock Building, 681 Market St., San Francisco, Calif. 94105  
Colorado Open Space Council, Inc., 5850 E. Jewell, Denver, Colo. 80222  
Defenders of Wildlife, 2000 "N" St., N.W., Suite 201, Washington, D.C. 20036  
Friends of Animals, Inc., 11 W. 60th St., New York, N.Y. 10023  
Friends of the Earth, 451 Pacific Ave., San Francisco, Calif. 94133  
The Izaak Walton League of America, 1326 Waukegan Rd., Glenview, Ill. 60025  
National Audubon Society, 1130 Fifth Ave., New York, N.Y. 10028  
National Parks Association, 1701 Eighteenth St., N.W., Washington, D.C. 20009  
National Wildlife Federation, 1412 Sixteenth St., Washington, D.C. 20009  
Planned Parenthood-World Population, 810 Seventh Ave., New York, N.Y. 10019  
Outward Bound, Inc., Andover, Mass. 01810  
Rocky Mountain Center on Environment, 580 E. Jewell, Denver, Colo. 80222  
Sierra Club, 220 Bush St., San Francisco, Calif. 94104  
Wilderness Society, 729 Fifteenth St., N.W., Washington, D.C. 20005  
World Wildlife Fund, 901 Seventeenth St., N.W., Washington, D.C. 20005  
Zero Population Growth, Inc., Los Altos, Calif. 94022



The Ski Hut staff wishes you the best in outdoor experience this year.

George Rudolf	Steve Homo	Diane Ritch
Peter Noone	John Sloubter	Jan Thornton
Alfred Smith	Larry Bouett	Frances Osburn
Arthur Kuller	Carol Huffstutler	Gwen Breslauer

#### Store Hours

June 1 — August 31

Monday, Tuesday,	9 — 9
Wednesday, Thursday	9 — 6
Friday, Saturday	12 — 4
Sunday	

September 1 — May 31

Monday, Tuesday, Wednesday,	9:30 — 6
Friday, Saturday	9:30 — 9
Thursday	

#### IMPORTANT! READ BEFORE SEALING ORDER

1. **PRE-PAID.** Full remittance must accompany order. FOREIGN ORDERS PAYABLE IN U.S. FUNDS.
2. **SHIPPING.** Postage calculated on shipping weight which includes actual weight of merchandise plus packing materials. Add 1 lb. to cover packing materials  
50c for Special Handling  
75c for Special Delivery  
85c per lb. for Air Mail
3. **OVERSIZED PARCELS.** Skis, some poles, some snowshoes, Klepper boats, etc., will be shipped REA Express collect.
4. **FOREIGN SHIPMENTS** will be billed at International Parcel Post rates.
5. **C.O.D.** Do not send remittance with order. Cash payments made to your postman on delivery for cost of merchandise plus C.O.D. charges. Out of stock items will be cancelled. NO C.O.D. UNDER \$5.00.
6. **MASTER CHARGE.** Fill in appropriate blanks on order form. Do not send card. Out of stock items will be cancelled.
7. **TELEPHONE ORDERS.** Recorded 24 hours per day. Shipped C.O.D. Phone: (415) 843-6505.
8. **OUT OF STOCK ITEMS.** Will be backordered for a maximum of 60 days unless cancellation specifically stated. (Except Master Charge and C.O.D. orders.)

RETURN ITEMS WITHIN 30 DAYS IF NOT COMPLETELY SATISFIED.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

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